

# **12' x 12' Garden Shed Playhouse Chicken Coop**

Instructions And Plans



By John Davidson



# **12' x 12' Garden Shed - Playhouse - Chicken Coop**

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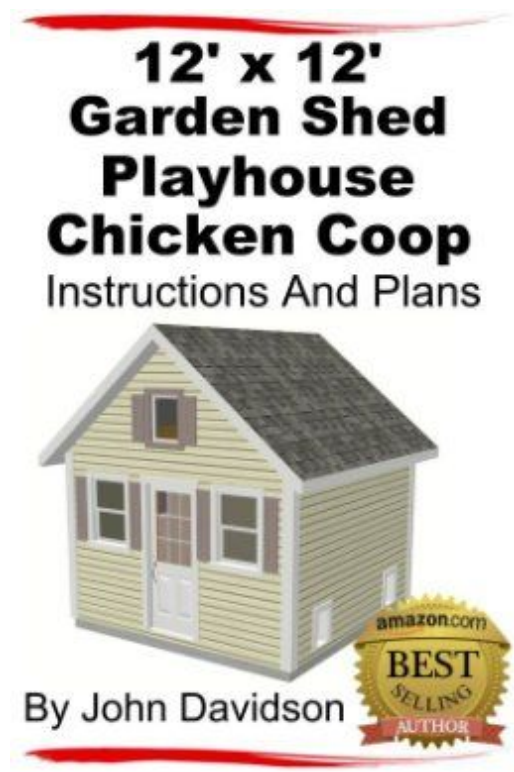
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Kindle Edition

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## About the Author

John Davidson

John has been drawing homes barns and garages since 1984. He has drawn over 500 homes and over 1000 garages and barns. John started a family drafting business called Specialized Design Systems (SDSPlans).

On the website <http://housecabin.com> there are over 100 full house and cabin plans available for easy download for as low as \$1 each. John has been selling affordable digital plans online for over 10 years.

Other plans have also been part of the development of this online business. Over 100 websites market these plans on the Internet. Low cost plans that you can download instantly.

Check out more of the plans at the main company website <http://sdsplans.com>

Specialized Designs Systems LLC, Mendon, Utah

## **DISCLAIMER**

READ BEFORE YOU BEGIN! THESE PLANS ARE INTENDED AS A GUIDE ONLY! READ THESE INSTRUCTIONS COMPLETELY THROUGH ONCE AND UNDERSTAND WHAT IS REQUIRED.

We will not be held responsible for any accidents or injuries anyone may sustain. Builder assumes all risks associated with construction work!

We assume some builder competency in the use of tools, safety and equipment.

Work safely and wear proper safety equipment such as gloves, ear protection and eye protection.

To the best of my knowledge these plans are drawn to comply with owner's and/ or builder's specifications and any changes made on them after prints are made will be done at the owner's and / or builder's expense and responsibility. The contractor shall verify all dimensions and enclosed drawing. SDSCAD is not liable for errors once construction has begun. While every effort has been made in the preparation of this plan to avoid mistakes, the maker cannot guarantee against human error. The contractor of the job must check all dimensions and other details prior to construction and be solely responsible thereafter. All calculations and member sizing should be verified for your building by a certified building official.

### **Please Note**

**Please note, this book is not a step by step book for construction but the actual plans that can be used to apply for permits. Plans in the kindle book are low resolution because of limits to the kindle format but links to download and print high resolution to scale blueprints in PDF format are available in the book. Engineering may be required on plans to be built in different locations.**

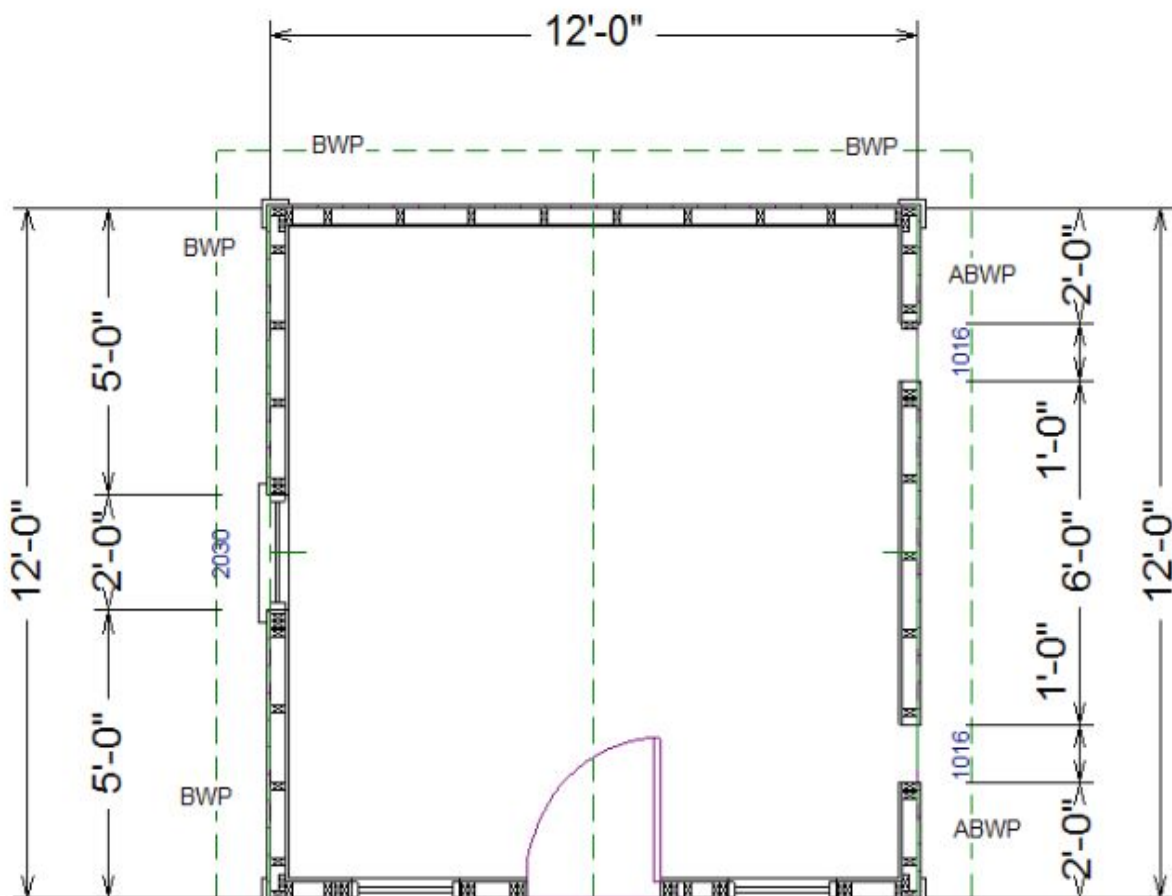
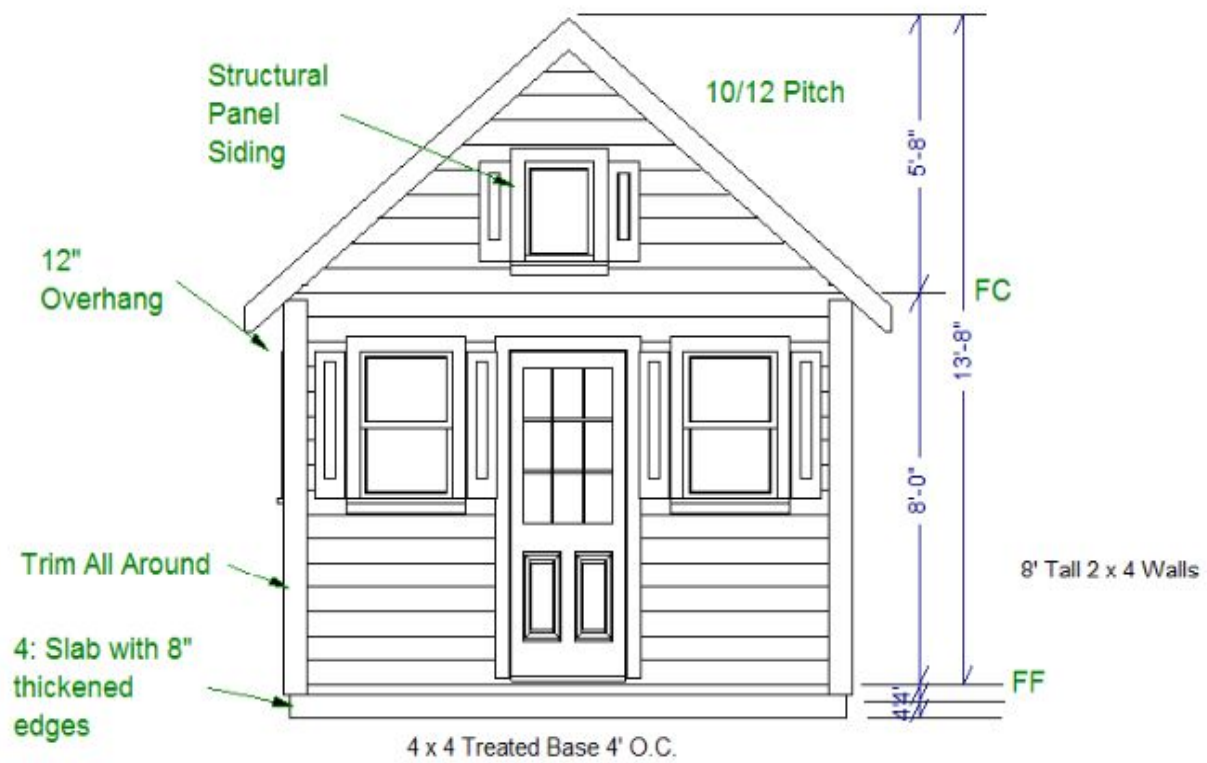
## **Bonus 12' x 12' Chicken Coop Plans**



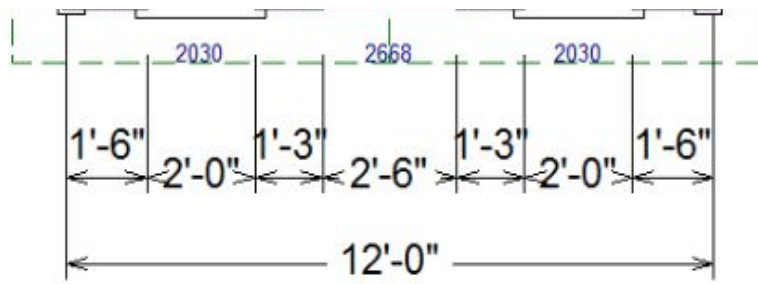
**This is the little chicken coop that inspired the next little coop design**



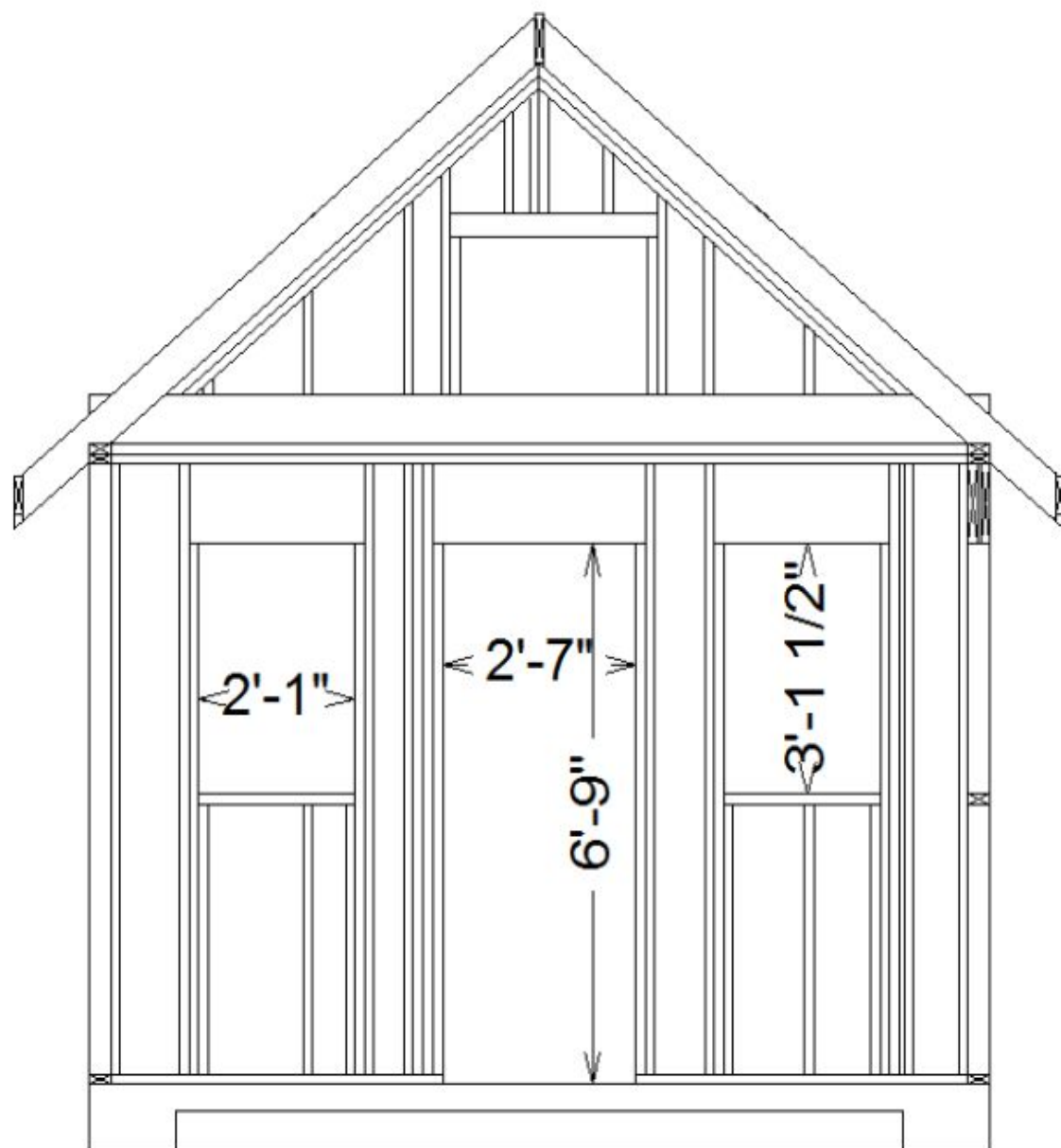


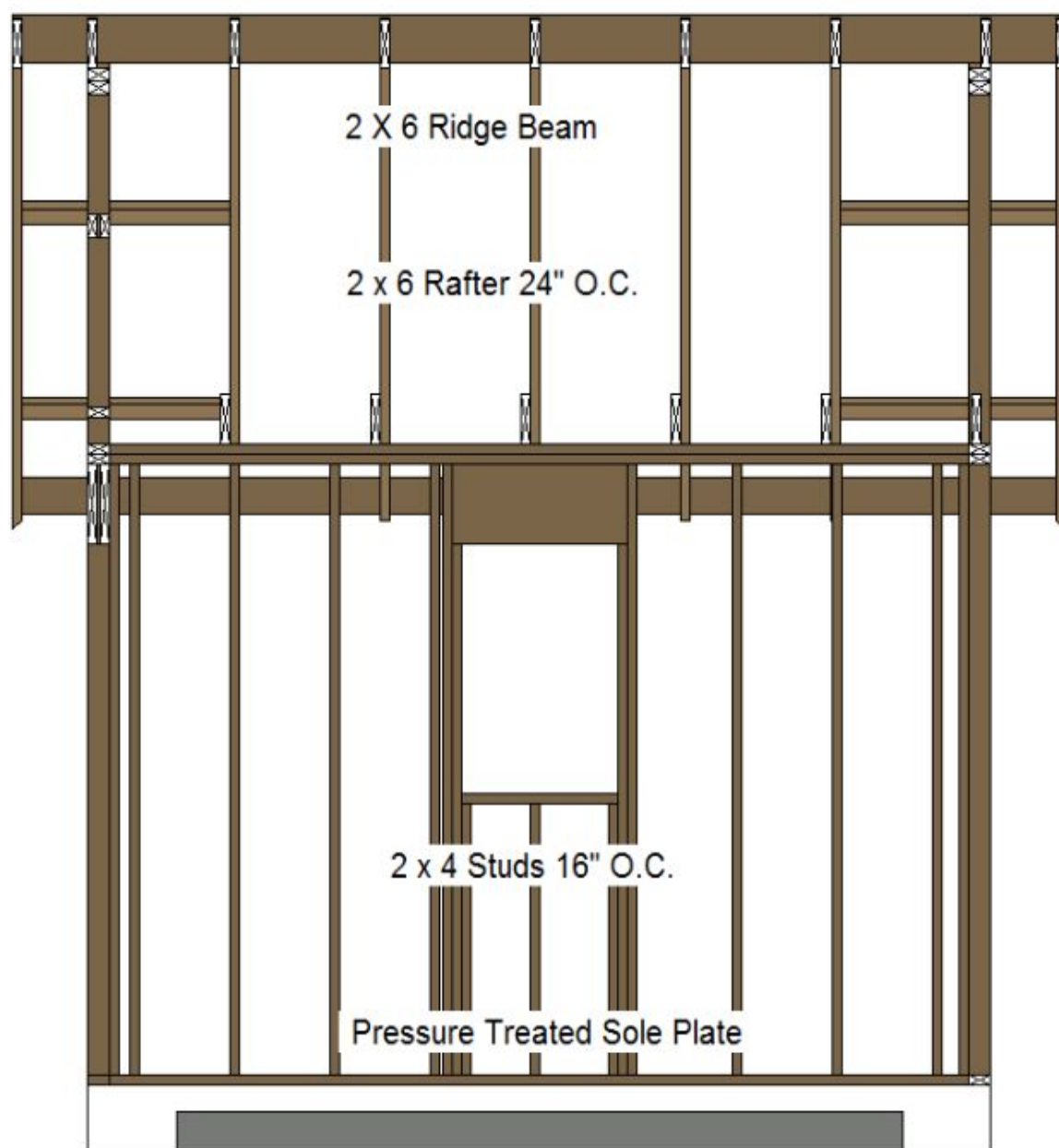






|            |   |                  |                                  |        |      |       |  |           |
|------------|---|------------------|----------------------------------|--------|------|-------|--|-----------|
| General    |   |                  |                                  |        |      |       |  |           |
| GN1        | 1 | 96 high wall     | Siding-4                         | 47     | 0    | ft    |  |           |
| GN2        |   |                  | heated ceiling area              | 144.00 | 0.00 | sq ft |  |           |
| GN3        | 1 |                  | heated floor area                | 144.00 | 0.00 | sq ft |  |           |
| GN4        | 1 |                  | heated wall area                 | 338.00 | 0.00 | sq ft |  |           |
| GN5        | 1 |                  | heated glass area                | 16.00  | 0.00 | sq ft |  |           |
| GN6        | 1 |                  | heated door area                 | 20.00  | 0.00 | sq ft |  |           |
| GN7        | 2 | 67 1/4 high wall | Siding-4                         | 22     | 0    | ft    |  |           |
|            |   |                  |                                  |        |      |       |  | Subtotal: |
| Subfloor   |   |                  |                                  |        |      |       |  |           |
| SF1        | 1 | 8'x4'x3/4"       | Sheet Plywood                    | 4      | 0    |       |  |           |
| SF2        | 1 | 2x8'x 12"        | ceiling joist - lumber           | 8      | 0    |       |  |           |
|            |   |                  |                                  |        |      |       |  | Subtotal: |
| Framing    |   |                  |                                  |        |      |       |  |           |
| F1         | 1 | 2x4-16ft+        | fr plate                         | 147    | 0    | ft    |  |           |
| F2         | 1 | 2x4'-91 1/2"     | fr stud                          | 47     | 0    |       |  |           |
| F3         | 1 | 2x4-16ft+        | fr stud stack                    | 89     | 0    | ft    |  |           |
| F4         | 1 | 2x4'-70 1/2"     | fr stud                          | 2      | 0    |       |  |           |
| F5         | 1 | 2x4-16ft+        | header - lumber                  | 5      | 0    | ft    |  |           |
| F6         | 1 | 2x12-16ft+       | header - lumber                  | 20     | 0    | ft    |  |           |
| F7         | 2 | 2x4-16ft+        | fr plate                         | 60     | 0    | ft    |  |           |
| F8         | 2 | 2x4-16ft+        | fr stud stack                    | 55     | 0    | ft    |  |           |
| F9         | 2 | 2x4-16ft+        | header - lumber                  | 5      | 0    | ft    |  |           |
|            |   |                  |                                  |        |      |       |  | Subtotal: |
| Siding     |   |                  |                                  |        |      |       |  |           |
| S1         | 1 | 7' wide          | Siding Wood Cream                | 693    | 0    | ft    |  |           |
| S2         | 1 |                  | house wrap                       | 384.00 | 0.00 | sq ft |  |           |
| S3         | 2 | 7' wide          | Siding Wood Cream                | 103    | 0    | ft    |  |           |
|            |   |                  |                                  |        |      |       |  | Subtotal: |
| Ext Trim   |   |                  |                                  |        |      |       |  |           |
| EX1        | 0 | 4' thick         | - concrete grey                  | 2.71   | 0.00 | cu yd |  |           |
| EX2        | 1 | 1x5-12"          | door threshold                   | 2      | 0    |       |  |           |
| EX3        | 1 | 1x4-16ft+        | ext. door casing - color white   | 27     | 0    | ft    |  |           |
| EX4        | 1 | 5 in             | ext. door jamb - color white     | 27     | 0    | ft    |  |           |
| EX5        | 1 | 1x4-16ft+        | exterior sill - color white      | 9      | 0    | ft    |  |           |
| EX6        | 1 | 1x4-16ft+        | ext. window casing - color white | 27     | 0    | ft    |  |           |
| EX7        | 1 | 8x36 in          | shutter                          | 6      | 0    |       |  |           |
| EX8        | 1 | 1x5-30"          | door threshold                   | 1      | 0    |       |  |           |
| EX9        | 1 | 1x6 in (2)       | corner board - color white       | 32     | 0    | ft    |  |           |
| EX10       | 2 | 8x24 in          | shutter                          | 2      | 0    |       |  |           |
| EX11       | 2 | 1x4-16ft+        | exterior sill                    | 2      | 0    | ft    |  |           |
| EX12       | 2 | 1x4-16ft+        | ext. window casing               | 7      | 0    | ft    |  |           |
|            |   |                  |                                  |        |      |       |  | Subtotal: |
| Roofing    |   |                  |                                  |        |      |       |  |           |
| R1         | 1 | 2x8'-14'         | ridge board - lumber             | 1      | 0    |       |  |           |
| R2         | 1 | 2x6'-10'         | rafters - lumber                 | 16     | 0    |       |  |           |
| R3         | 1 | 2x6'-14'         | rafters - lumber                 | 2      | 0    |       |  |           |
| R4         | 1 | 2x4'-16'+        | rafters - lumber                 | 22     | 0    | ft    |  |           |
| R5         | 1 |                  | ridge vent                       | 14     | 0    | ft    |  |           |
| R6         | 1 |                  | ridge cap                        | 14     | 0    | ft    |  |           |
| R7         | 1 |                  | Roofing Dimensional Comp.        | 255.00 | 0.00 | sq ft |  |           |
| R8         | 1 | 4x8' sheets      | roof sheathing                   | 8      | 0    |       |  |           |
| R9         | 1 | 2x6'             | gable fascia                     | 36     | 0    | ft    |  |           |
| R10        | 1 | 2x6'             | eave fascia                      | 26     | 0    | ft    |  |           |
| R11        | 1 |                  | metal drip edge                  | 64     | 0    | ft    |  |           |
|            |   |                  |                                  |        |      |       |  | Subtotal: |
| Insulation |   |                  |                                  |        |      |       |  |           |
| IN1        | 1 | 12x24x48" batts  | ceiling insulation               | 16     | 0    |       |  |           |
| IN2        | 1 | 12x16x48" batts  | floor insulation                 | 27     | 0    |       |  |           |
| IN3        | 1 | 4x16x93" batts   | wall insulation                  | 31     | 0    |       |  |           |
|            |   |                  |                                  |        |      |       |  | Subtotal: |
| Flooring   |   |                  |                                  |        |      |       |  |           |
| FL1        | 1 | 2 1/4" wide      | Flooring Oak/Golden              | 685    | 0    | ft    |  |           |
|            |   |                  |                                  |        |      |       |  |           |
| Wall Bld   |   |                  |                                  |        |      |       |  |           |
| WB1        | 1 | 4x8'x1/2"        | Sheet Sheetrock                  | 12     | 0    |       |  |           |
| WB2        | 1 |                  | Color Bone White                 | 128.00 | 0.00 | sq ft |  |           |
| WB3        | 1 | 4x8'x3/4"        | Sheet Sheetrock                  | 4      | 0    |       |  |           |
| WB4        | 2 | 4x8'x1/2"        | Sheet Sheetrock                  | 2      | 0    |       |  |           |
|            |   |                  |                                  |        |      |       |  | Subtotal: |
| Windows    |   |                  |                                  |        |      |       |  |           |
| W1         | 1 | 24x36            | single hung                      | 3      | 0    |       |  |           |
| W2         | 2 | 16x24            | fixed glass                      | 1      | 0    |       |  |           |
|            |   |                  |                                  |        |      |       |  | Subtotal: |
| Doors      |   |                  |                                  |        |      |       |  |           |
| D1         | 1 |                  | handle: Lever (decorative)       | 1      | 0    |       |  |           |
| D2         | 1 |                  | handle: Exterior Handle (ext.)   | 1      | 0    |       |  |           |
| D3         | 1 |                  | lock: Dead Bolt (interior)       | 1      | 0    |       |  |           |
| D4         | 1 |                  | lock: Dead Bolt (exterior)       | 1      | 0    |       |  |           |
| D5         | 1 |                  | hinge: hidden                    | 3      | 0    |       |  |           |
| D6         | 1 | 30x60x1 3/4R     | ext. 3068 19                     | 1      | 0    |       |  |           |
|            |   |                  |                                  |        |      |       |  | Subtotal: |
| Int Trim   |   |                  |                                  |        |      |       |  |           |
| T1         | 1 | 1x4-16ft+        | interior casing                  | 55     | 0    | ft    |  |           |
| T2         | 1 | 1x4-16ft+        | window apron                     | 8      | 0    | ft    |  |           |
| T3         | 1 | 1x4-16ft+        | sill                             | 8      | 0    | ft    |  |           |
| T4         | 1 | 1x5-16ft+        | base molding                     | 45     | 0    | ft    |  |           |
| T5         | 2 | 1x4-16ft+        | window apron                     | 2      | 0    | ft    |  |           |
| T6         | 2 | 1x4-16ft+        | sill                             | 2      | 0    | ft    |  |           |
| T7         | 2 | 1x4-16ft+        | interior casing                  | 7      | 0    | ft    |  |           |
|            |   |                  |                                  |        |      |       |  | Subtotal: |
|            |   |                  |                                  |        |      |       |  | Total     |







Http://TheGardenShed.net  
Http://Build-Chicken-Coop.com



BUILDING CONTRACTOR/HOME OWNER  
TO REVIEW AND VERIFY ALL DIMENSIONS,  
SPECS. AND CONNECTIONS BEFORE  
CONSTRUCTION BEGINS. SHED TO BE BUILT AS  
PER LOCAL CODE REQUIREMENTS.

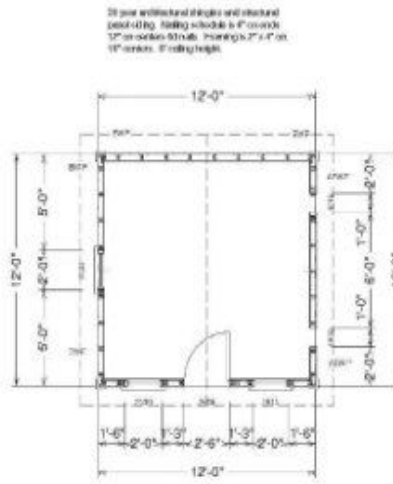
To the best of my knowledge these plans do comply with owner's and/or builder's specifications and any changes made on these after plans are made will be done at the owner's and/or builder's expense and responsibility. The contractor shall verify all dimensions and construct drawing. SDS-CAD is not liable for errors once construction has begun. While every effort has been made in the preparation of this plan to avoid mistakes, the maker cannot guarantee against human error. The contractor at the job must check all dimensions and other details prior to construction and be solely responsible therefor. Alterations and revision along should be written for your building by a certified building official.

#G489 12 x 12 x 8 Shed - Playhouse - Chicken Coop  
By SDS-CAD Specialized Design Systems

|        |                       |
|--------|-----------------------|
| Page 1 | Title Main Floor Plan |
| Page 2 | Elevation Views       |
| Page 3 | Floor Plan & Details  |
| Page 4 | Framing and Details   |
| Page 5 | Detail Page           |
| Page 6 | Materials List        |

SCALE 1/8"=1'

MAIN FLOOR PLAN



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REAR ELEVATION

Ridge Vent or Ridge Caps



LEFT ELEVATION



FRONT ELEVATION

SCALE 1/8"=1'

30 Year Architectural Applied Shingles



RIGHT ELEVATION

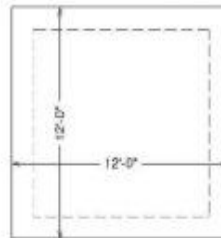
Optional 12 x 16 Chicken Doors

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1. All slabs are to be 8" concrete over 4" gravel unless otherwise noted on the plans.
2. Concrete to be ACI 301-66, Type II cement, 2500 psi at 28 days, 3" minimum slump.
3. If required reinforcing to be ASTM A615 Bars with Fwytd kl lamp 30 diameter minimum at splices or weld per ACI Std.
4. Concrete design based on Fc 1500 psi, Fy 2500 psi for quality only.
5. Anchor bolts shall be A-307 embedded 3" minimum into concrete or masonry grout.



PICTORIAL VIEW

### FLOOR AND BASE PLAN

2044811

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Roof Framing 24" O.C. Trusses or 2  
x 4 Rafters with 2 x 8 Ridge Beam  
and 2 x 4 Ceiling Joists



2 x 4 Truss with  
plywood Gable  
24' D.C. 58  
CDS Standing



Figuring views are for  
basic reference only

2 X 4  
Walls  
18" O.C.

WALL FRAMING SECTIONS

SCALE 1/8"=1'

Generalizing: (Douglas Fir)

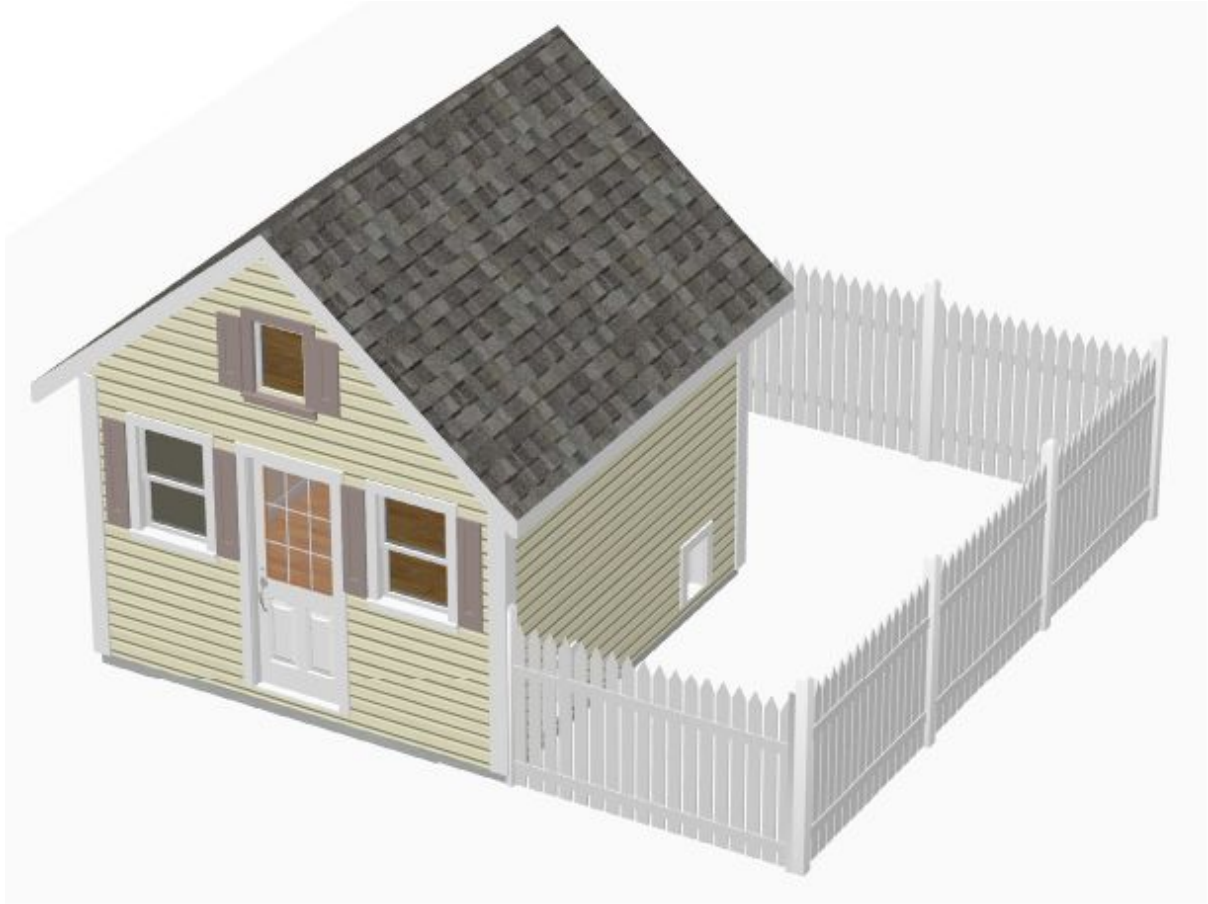
- 1 Minimum member sizes shall be determined according to the following table unless otherwise noted. Header sizes (single story construction):  
2 2'-0" x 4'-0" Span: 2 x 6's  
3 4'-0" x 6'-0" Span: 2 x 6's  
4 6'-0" x 8'-0" Span: 2 x 6's  
5 8'-0" x 10'-0" Span: 2 x 6's  
6 10'-0" x 12'-0" Span: 2 x 8's or as noted on plan  
7 Dimension of main and cross bracing shall be determined at each end of  
8 building and at least every 25' along the length of the building:  
9 a. Single W16 x 130 with bracing with 2 x 6's nailed at each  
10 end and 1-81 nails at each end  
11 b. Physical sheathing of a minimum dimension of 2 x 10 with  
12 two staples  
13 c. Fabricate clasp splices over 12' in height, floor joists at  
14 centerline, steel decking, cross collars, steel channels at top  
15 and bottom of joist, bracing and cross bracing, girders from 81's  
16 Fabricating shall consist of 2" x 6" nominal lumber  
17 d. Header openings around steel joists, ducts, chases,  
18 and fireplace at ceiling and floor levels with approved  
19 fire-rated materials  
20 4. GDI plywood is not approved where exposed to weather, i.e.,  
21 roof sheathing  
22 5. Exterior wall bracing to be 2" x 4" studs @ 16" c. Anchor wall  
23 bracing at minimum height to be 2" x 4" studs at 16" c. and  
24 at bearing walls 2" x 4" studs at 16" c. with double top plates.  
25 Shear wall to be 2" x 4" Sheathing, see detail  
26 6. All stress grade lumber shall comply with WCLA species and bear  
27 government stamp on all plan and place  
28 Framing lumber shall be Douglas Fir construction grade Fb-1435  
29 or better or species unless noted  
30 7. Nailing to be as per current UBC unless otherwise noted  
31 8. All bearing partitions shall have double top plates  
32 9. Structural grade horizontal bracing to be clamped in an approved approved  
33 Use reduced or pre-drilled to insure full contact at all exterior walls

Reel Throwing

1. **Feetle to be 2" Douglas Fir.**
2. **For slight rise see details.**
3. **For spans and dimensions refer to floor plan.**
4. **Use spans and dimensions refer to floor plan.**
5. **Use spans and dimensions refer to floor plan.**
6. **Use spans and dimensions refer to floor plan.**
7. **Use spans and dimensions refer to floor plan.**
8. **Use spans and dimensions refer to floor plan.**
9. **Use spans and dimensions refer to floor plan.**





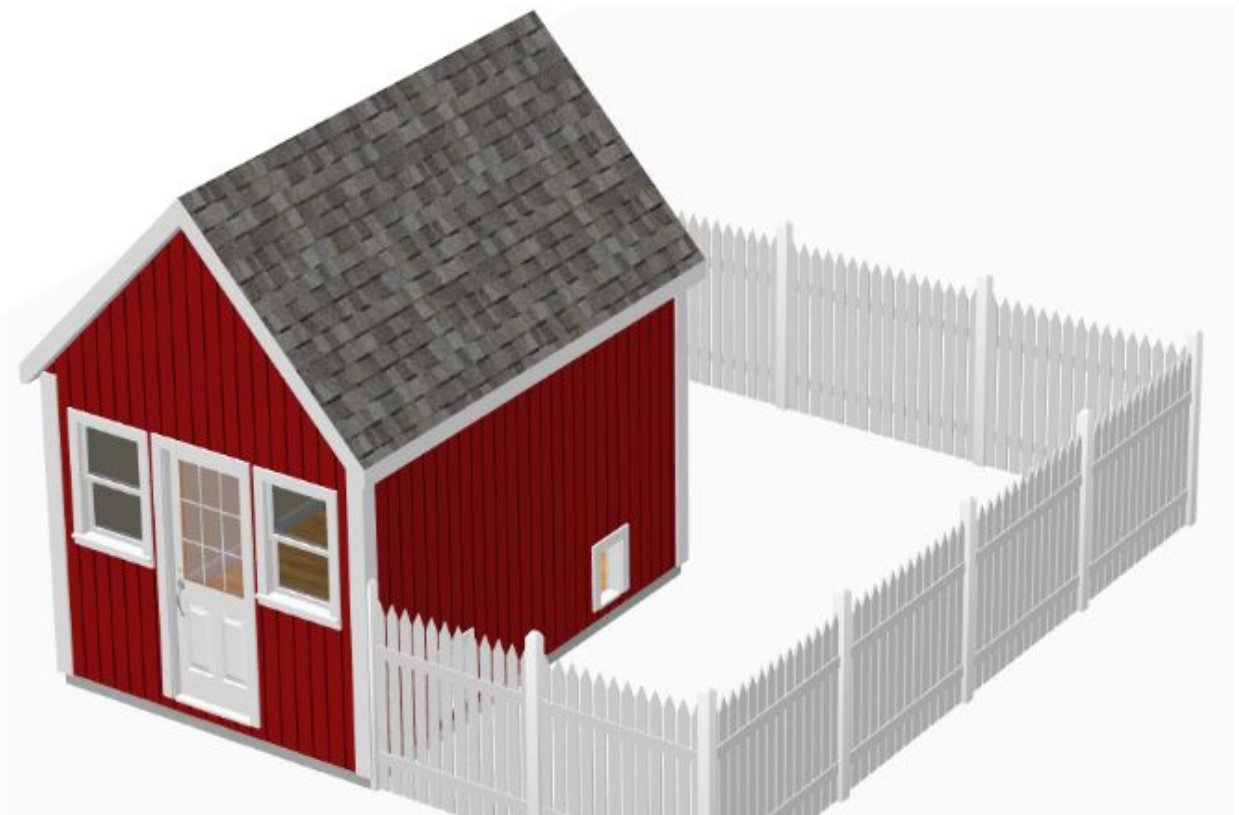


### **Bonus 10' x 14' Shed Plans**

#### **The Design Origination**

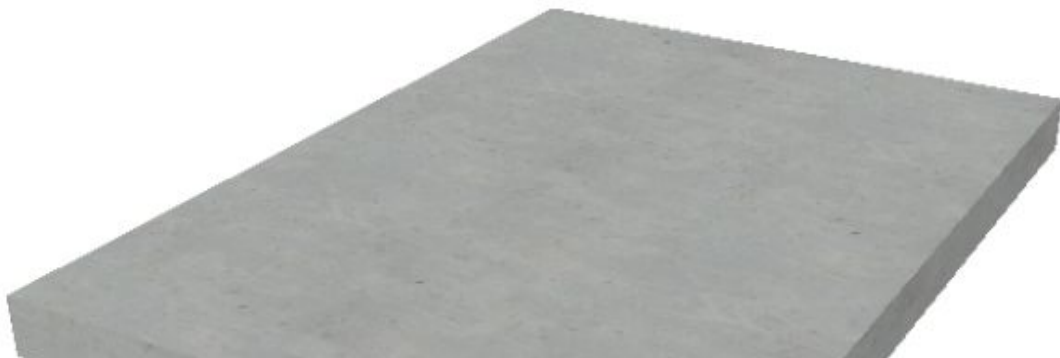
This is a picture of the chicken coop out at my brother in law's farm that inspired the plans for the 10' x 14' that we designed and built. His was a little smaller at 8' x 12'. We decided on the 10' x 14' because we wanted a little more room for chickens and 200 sq ft limit is allowed in our area before permits are required. Check your local building department to find out what is required in your area before starting the process.





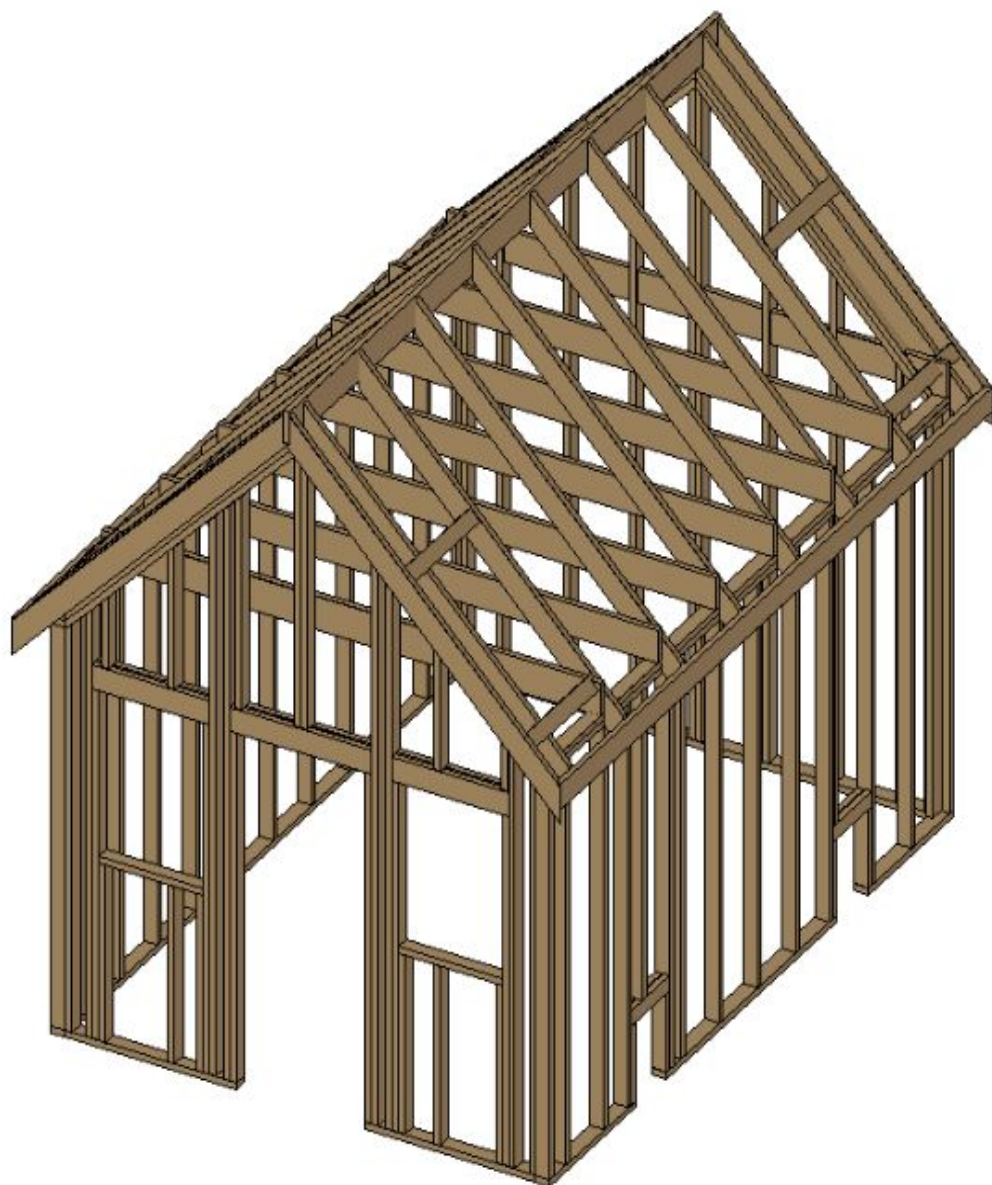


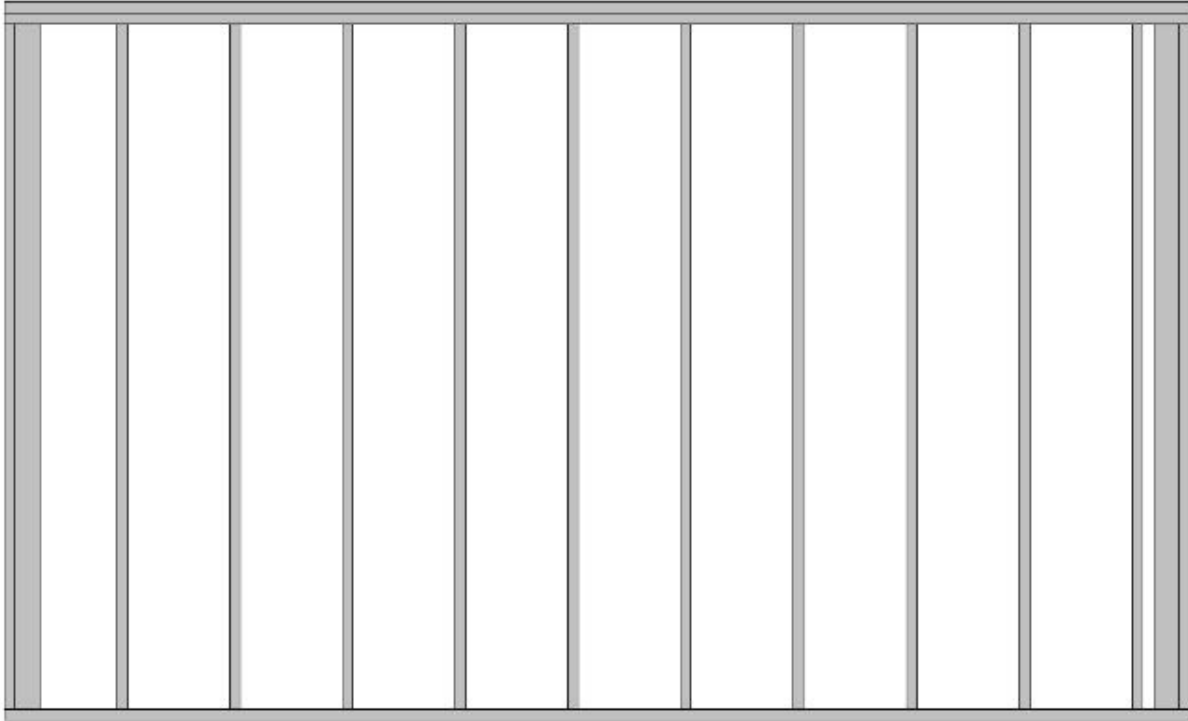
The building can be built on a concrete pad or built on a framed wood floor with skids.



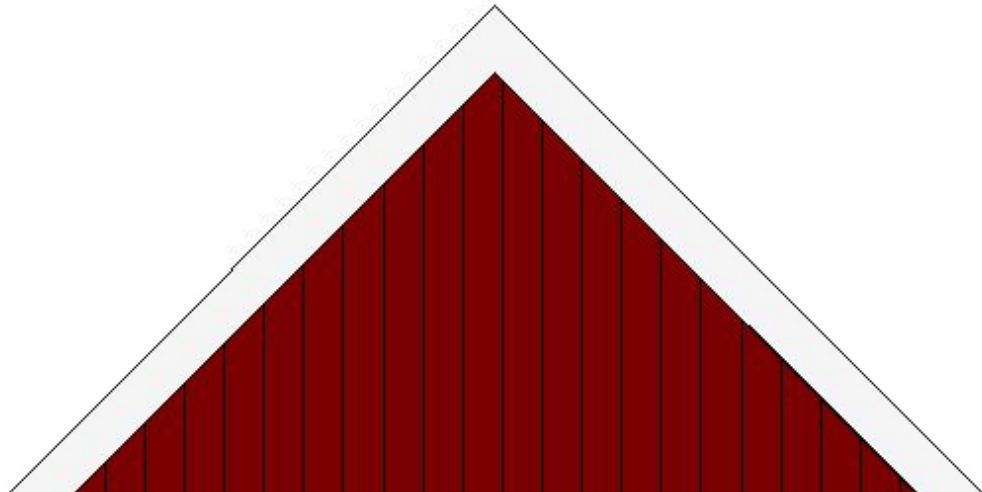
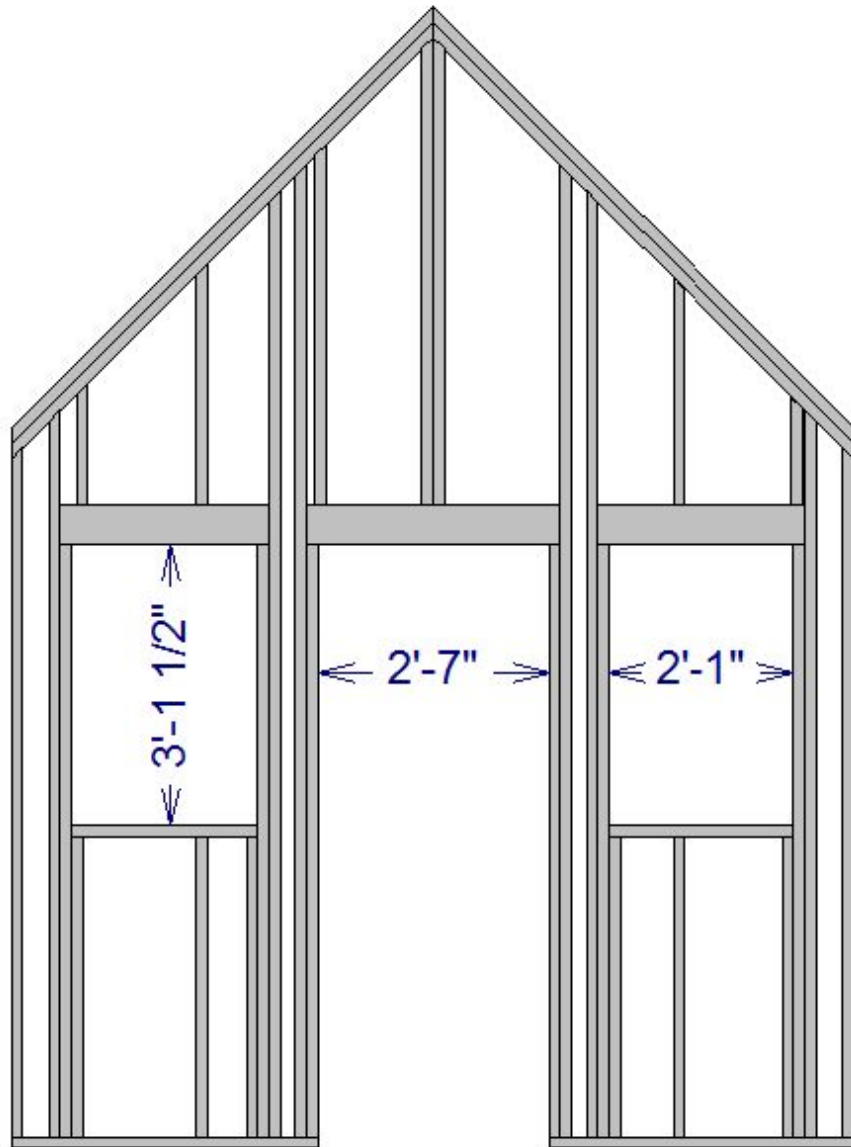


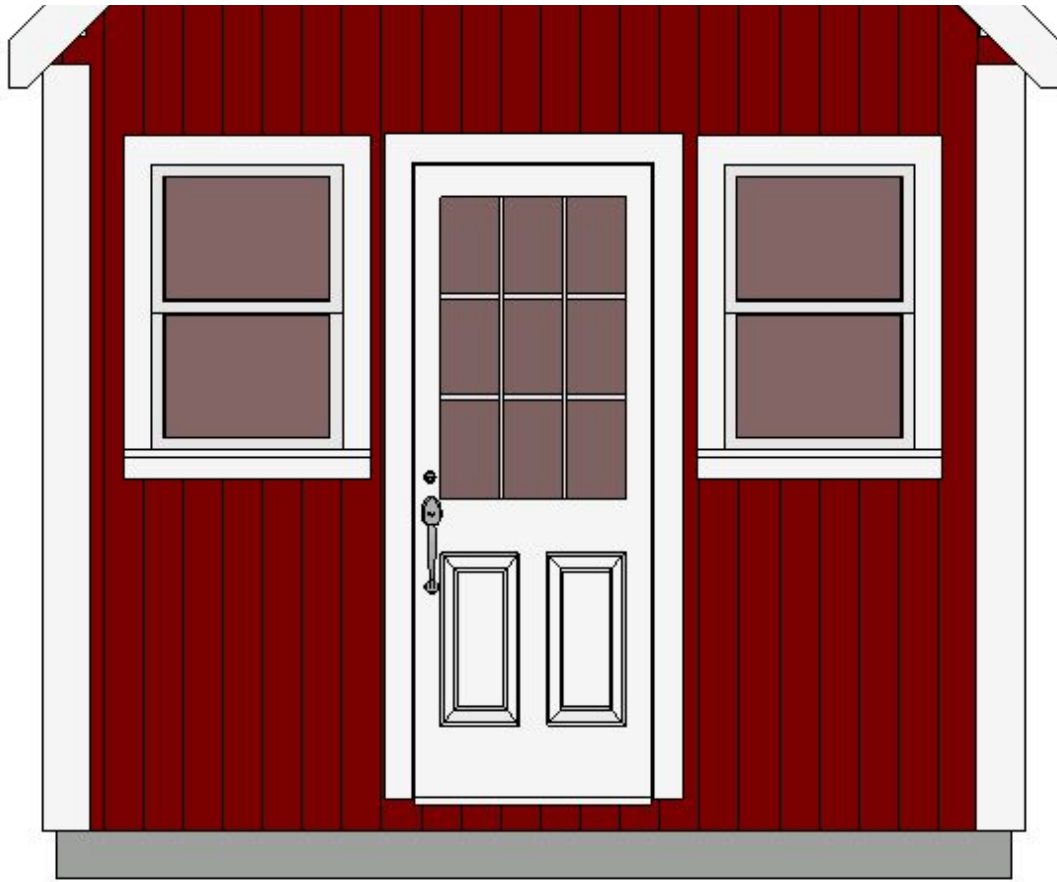


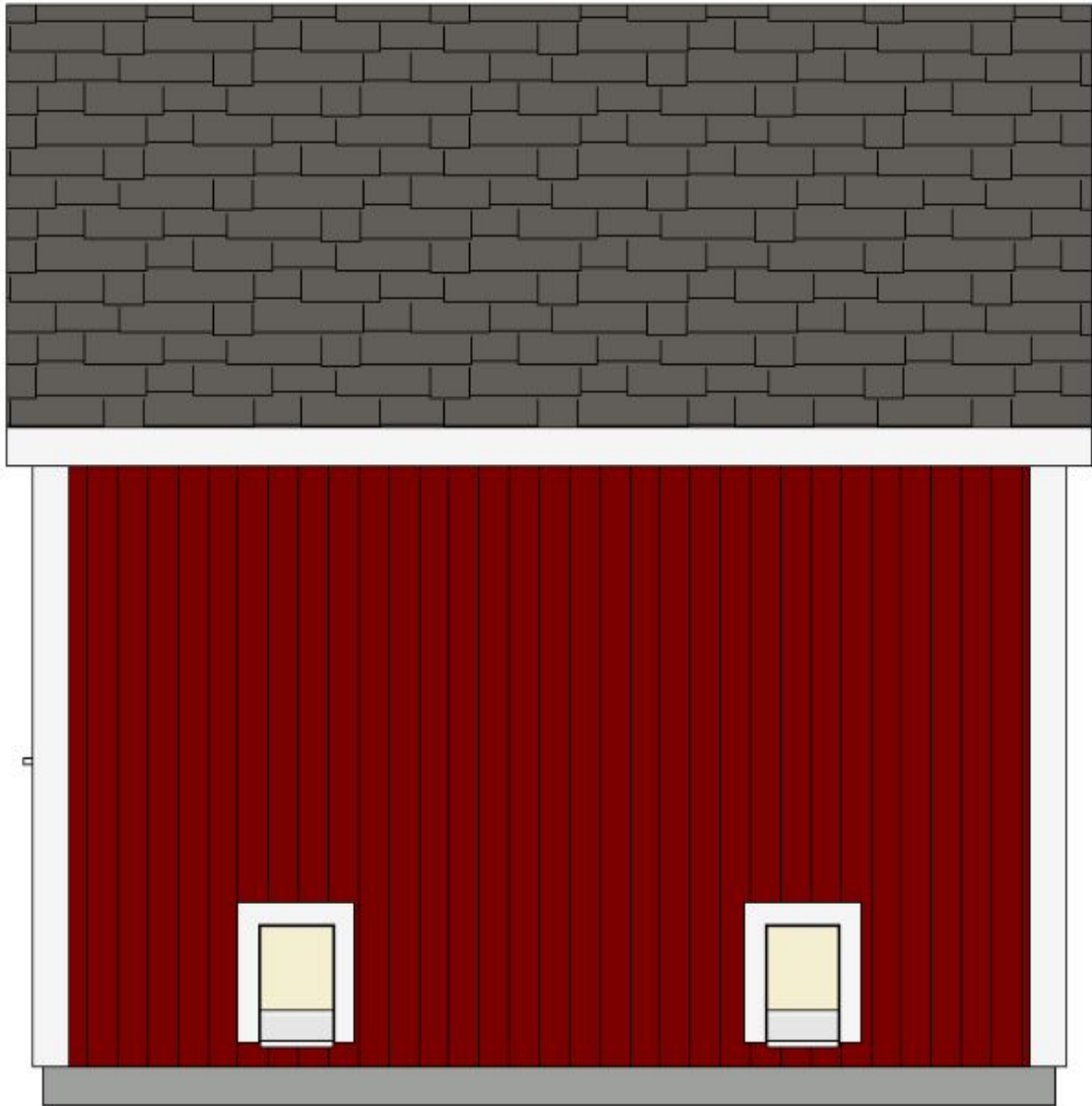




Wall Framing is 2 x 4 studs 8' long that are 16" O.C.

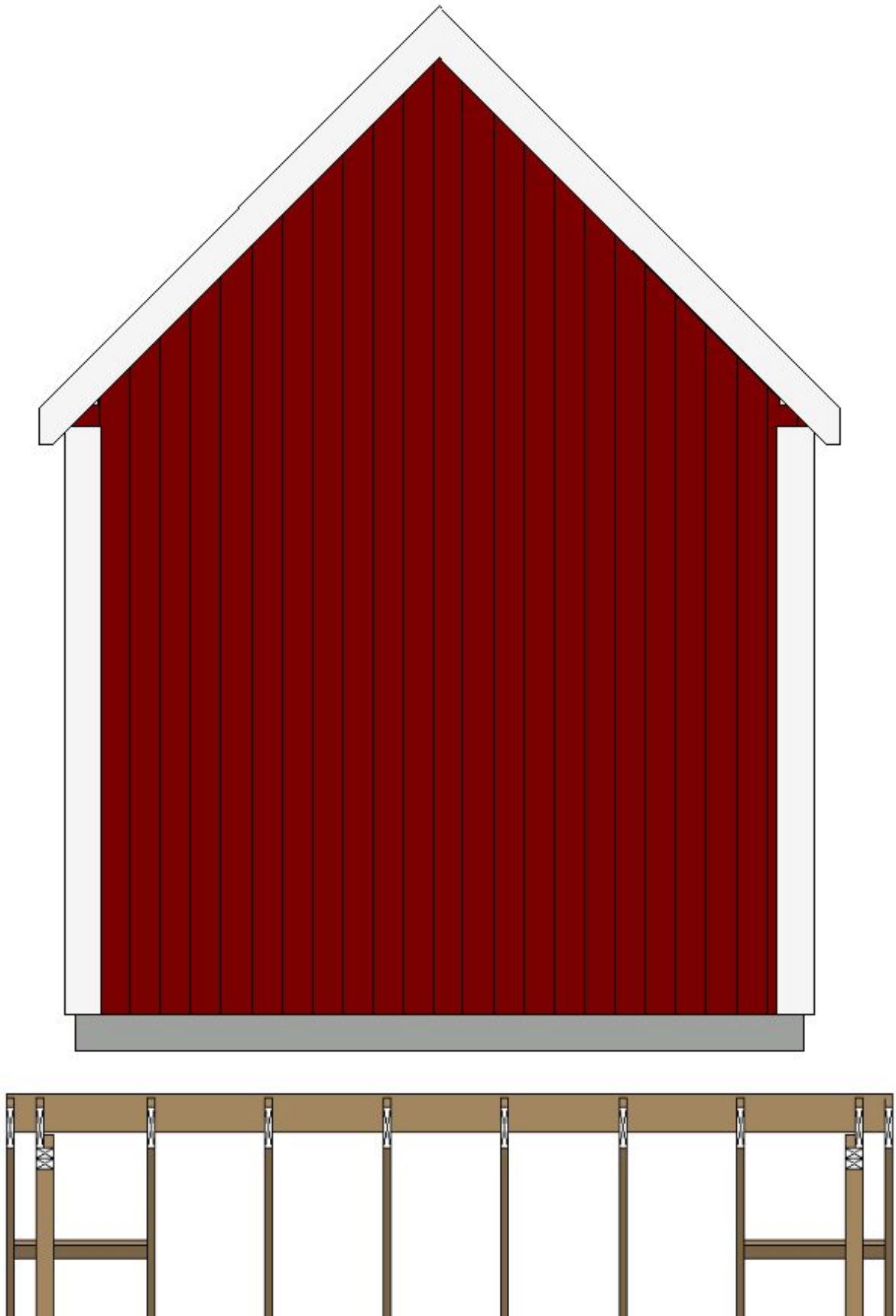




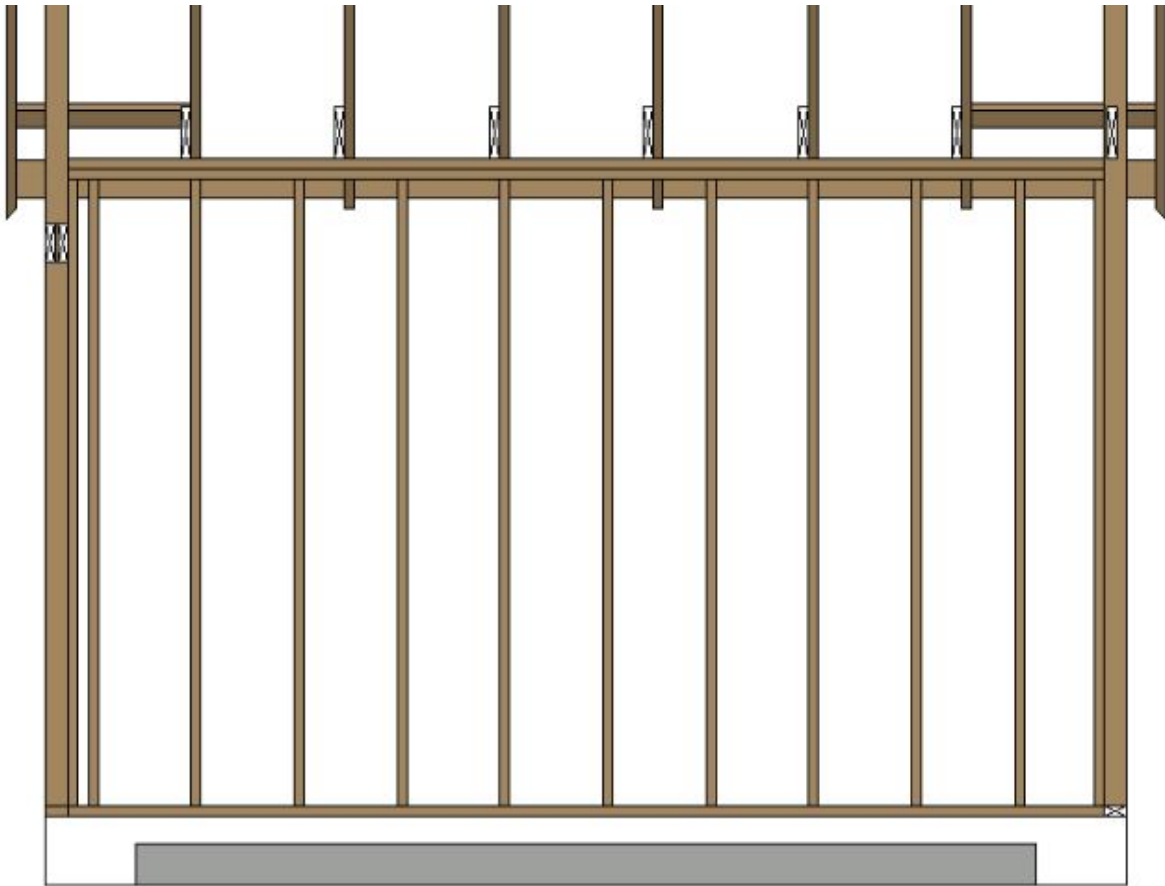


Small doors can be optional if not going to be used as a chicken coop.







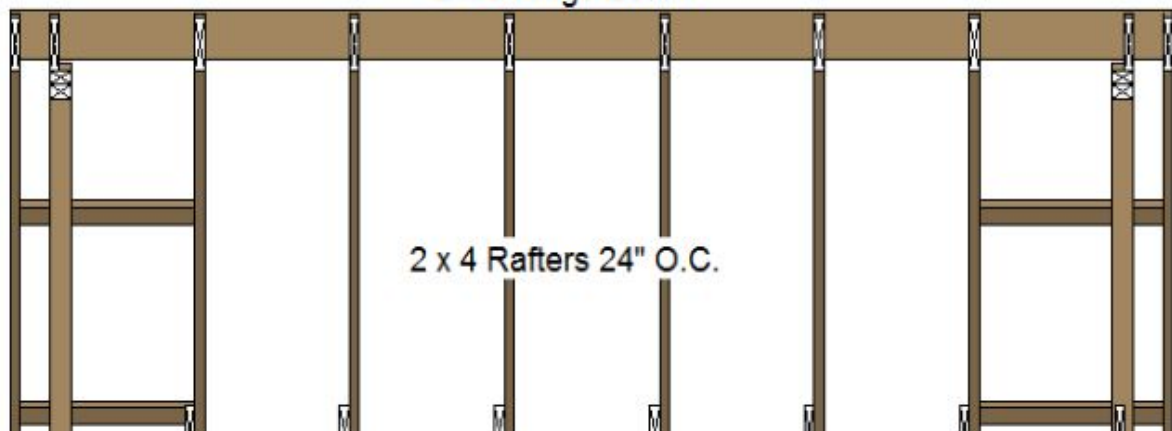


Studs are 16" O.C. and ceiling joists are 24" O.C.

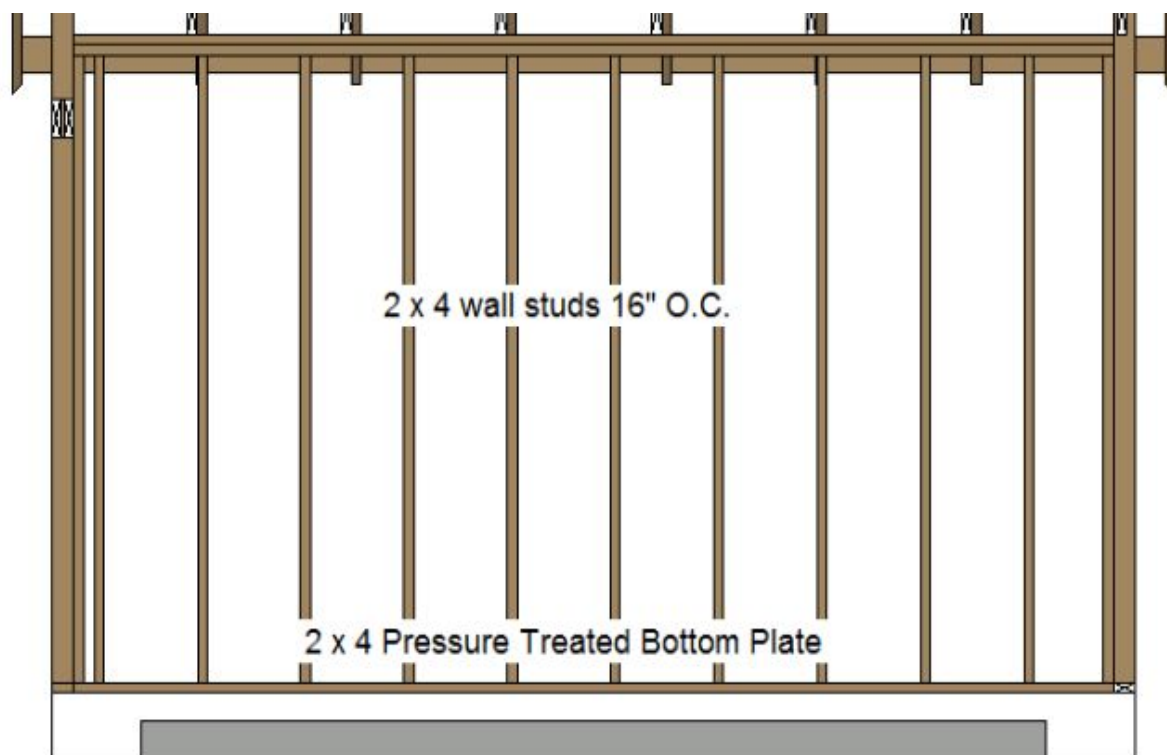


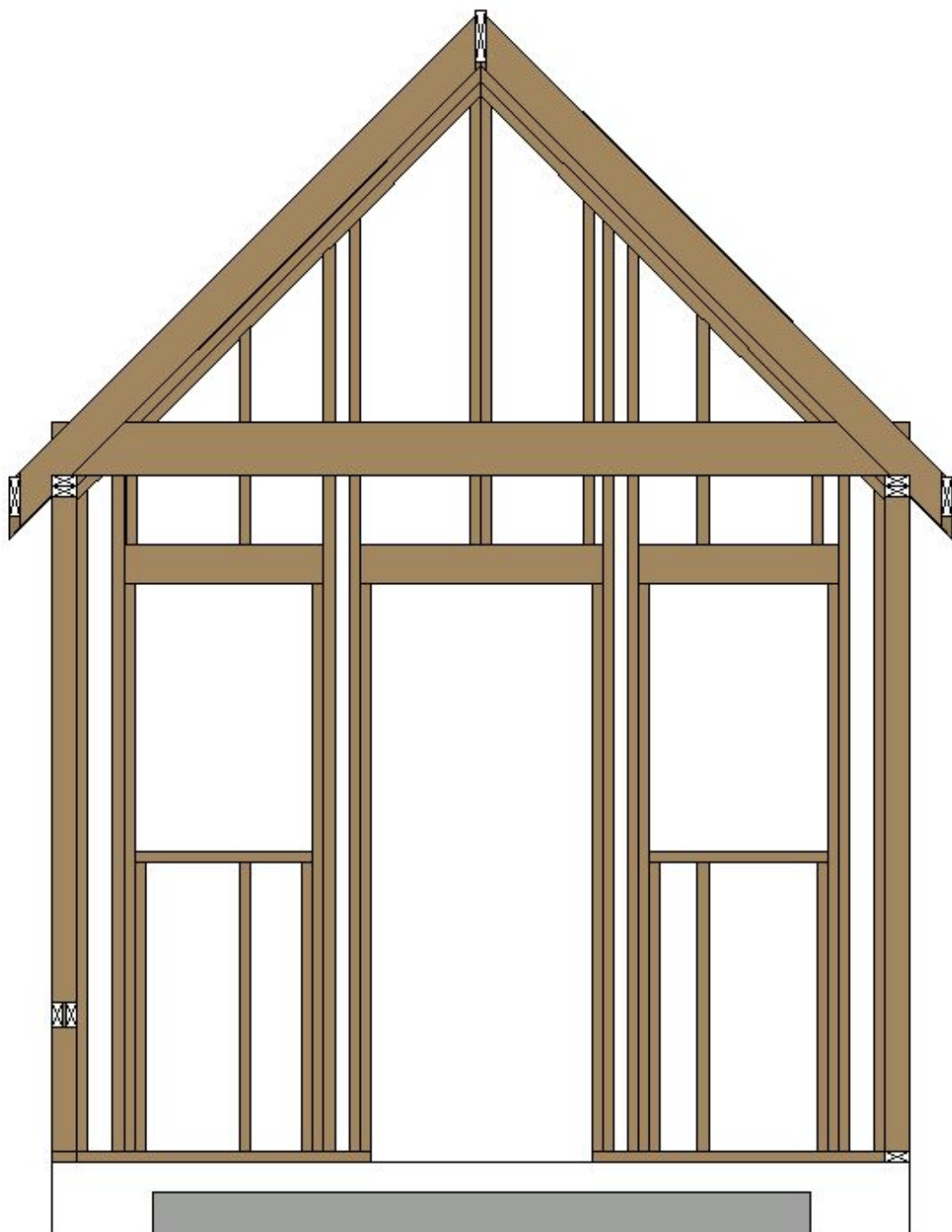


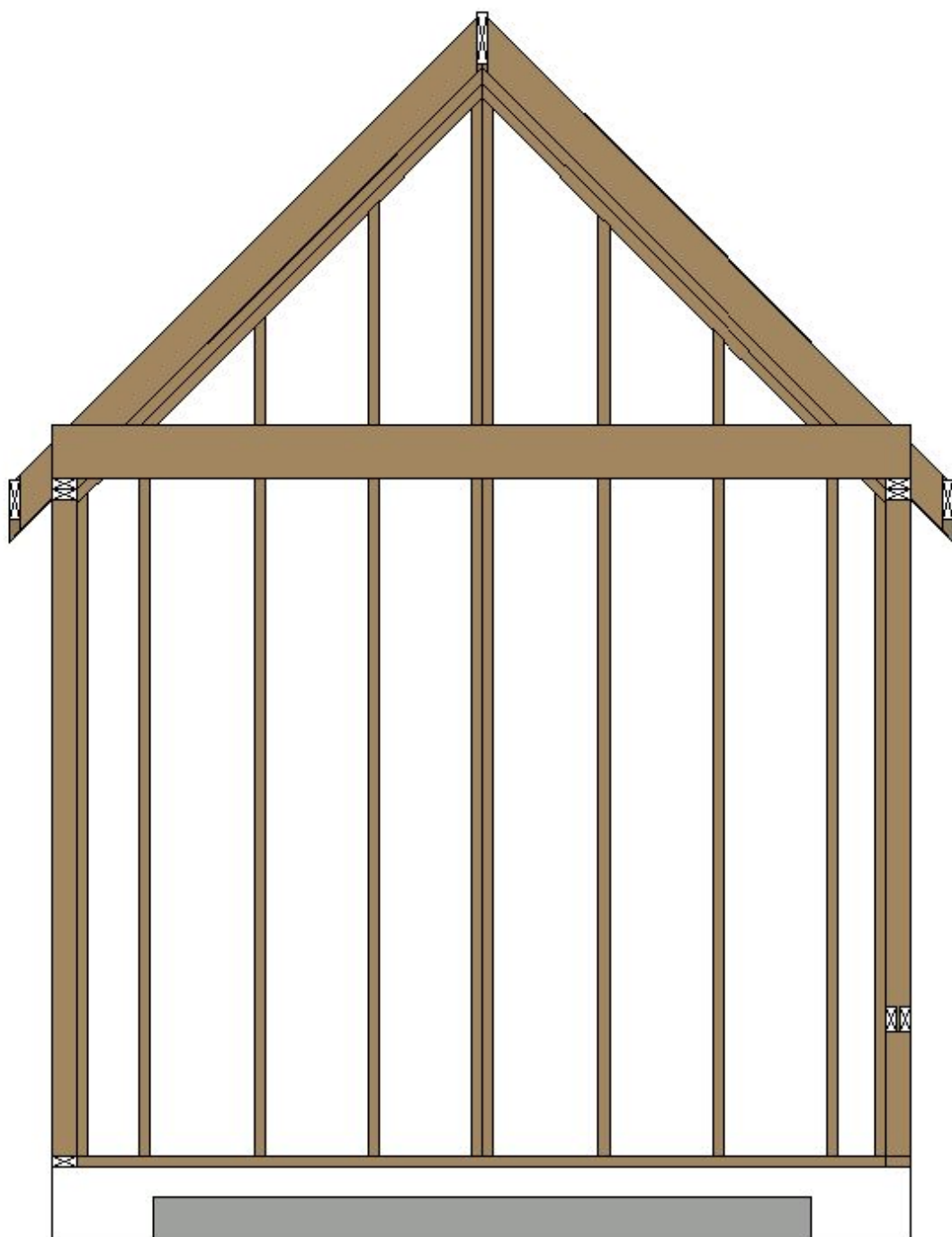
2 x 6 Ridge Beam

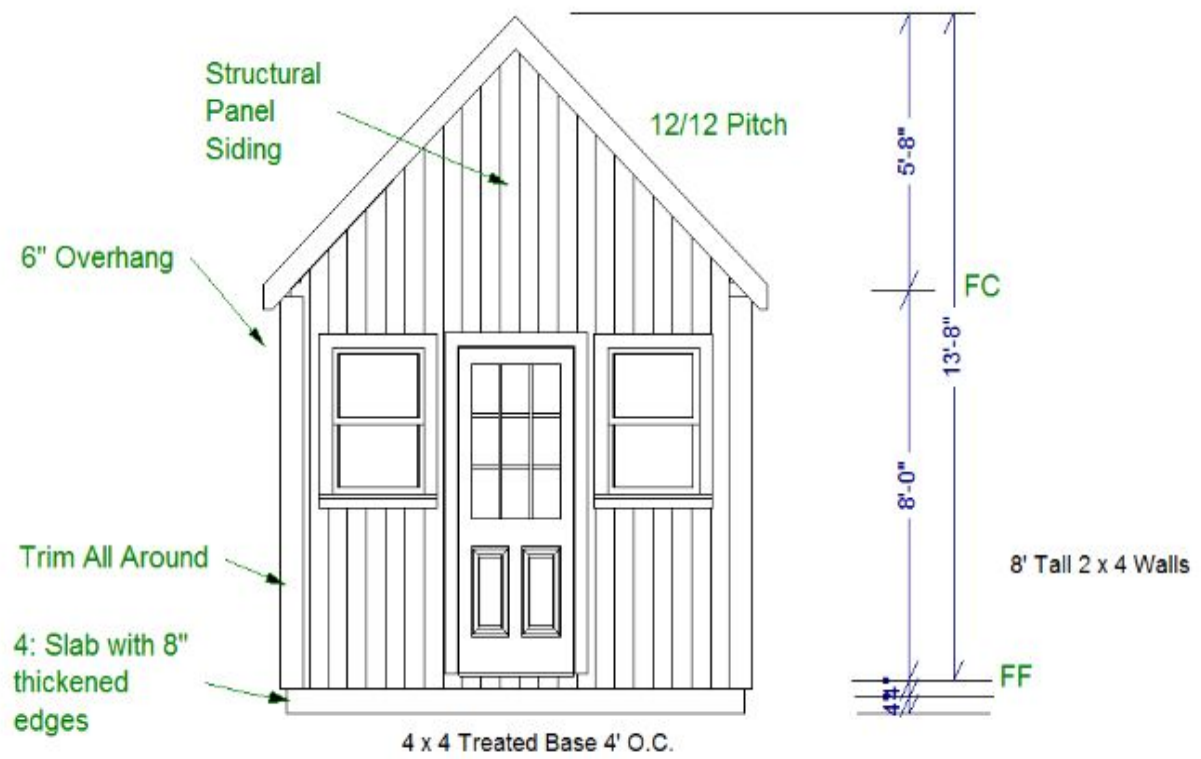


2 x 4 Rafters 24" O.C.

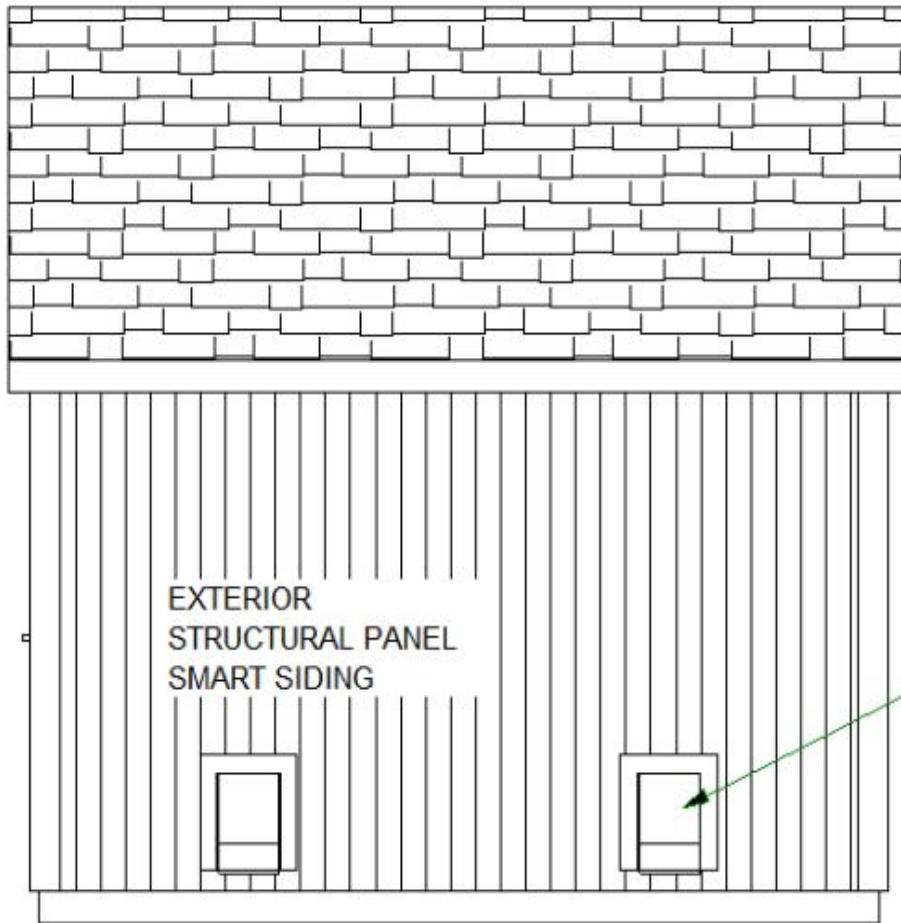










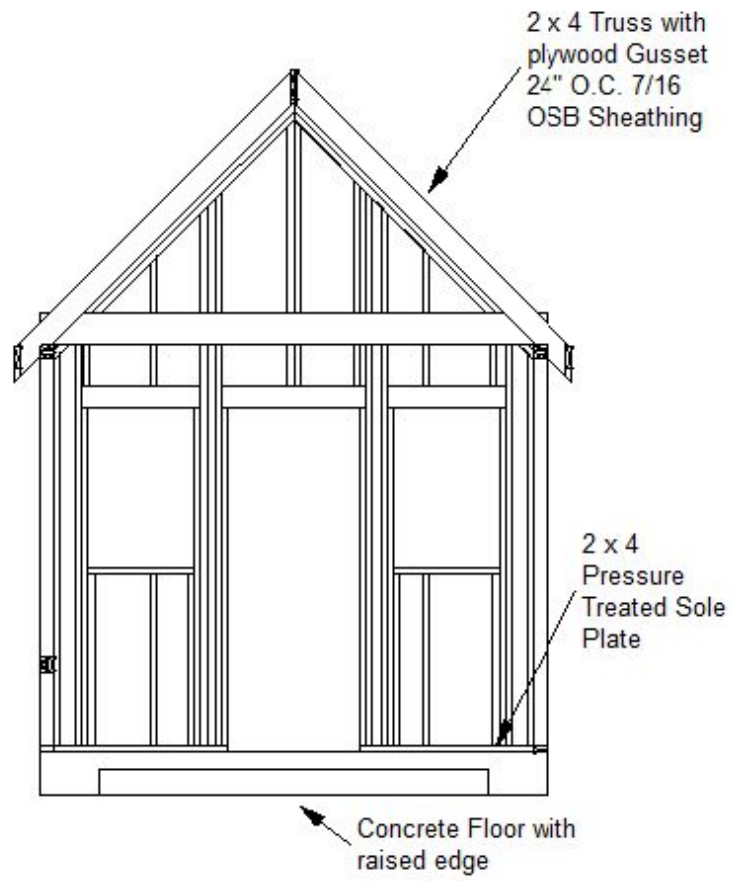


EXTERIOR  
STRUCTURAL PANEL  
SMART SIDING

Optional 12 x  
18 Chicken  
Doors

General framing: (Douglas Fir)

1. Minimum header sizes shall be according to the following table unless otherwise noted. Header sizes (single story construction)  
2'-0" to 4'-0" Span 2-2x4's  
4' + to 6'-0" Span 2-2x6's  
6' + to 8'-0" Span 2-2x8's  
8' + to 10'-0" Span 2-2x10's  
10' + to 12'-0" Span 2-2x12's or as noted on plan
2. Brace all exterior walls and cross-stud partitions at each end of building and at least every 25' of length by one of the following:
  - a. Simpson WB 126 wall bracing with 3-16d nails at each end and 1-8d nails at each stud.
  - b. Plywood sheathing of a minimum thickness of 7/16 inch.
3. Fire stopping:
  - a. Fireblock stud spaces over 10' in height, furred spaces, soffits, drop ceilings, cove ceilings, stair stringers at top and bottom of run, bearing walls and ceiling joist lines, etc.  
Firestopping shall consist of 2" nominal lumber.
  - b. Firestop openings around vents, pipes, ducts, chimneys, and fireplaces at ceiling and floor levels with approved noncombustible materials.
4. CDX plywood is not approved where exposed to weather, i.e., roof overhangs.
5. Exterior wall framing to be 2"x4" studs at 16" o.c. Interior wall, framing at non-bearing walls to be 2"x4" studs at 24" o.c. and at bearing walls 2"x4" studs at 16" o.c. with double top plate.
6. Shear wall to be 7/16" Sheathing, see detail.
7. All stress grade lumber shall comply with WCLA specs and bear approval stamp on all pieces in place.
8. Framing lumber shall be Douglas Fir construction grade Fb 1450 or better unless otherwise noted.
9. Nailing to be per current U.B.C. unless otherwise noted.
10. All bearing partitions shall have double top plates.
11. Structural glued laminated timbers to be stamped by an approved agency.
12. Use redwood or pressure treated sole plates at all exterior walls.





|            |   |                   |                                 |        |      |       |  |          |
|------------|---|-------------------|---------------------------------|--------|------|-------|--|----------|
| General    |   |                   |                                 |        |      |       |  |          |
| GN1        | 1 | 96 high wall      | Siding-4                        | 47     | 0    | ft    |  |          |
| GN2        | 1 |                   | heated ceiling area             | 140.00 | 0.00 | sq ft |  |          |
| GN3        | 1 |                   | heated floor area               | 140.00 | 0.00 | sq ft |  |          |
| GN4        | 1 |                   | heated wall area                | 344.00 | 0.00 | sq ft |  |          |
| GN5        | 1 |                   | heated glass area               | 12.00  | 0.00 | sq ft |  |          |
| GN6        | 1 |                   | heated door area                | 20.00  | 0.00 | sq ft |  |          |
| GN7        | 2 | 57 1/4 high wall  | Siding-4                        | 19     | 0    | ft    |  |          |
|            |   |                   |                                 |        |      |       |  | Subtotal |
| Subfloor   |   |                   |                                 |        |      |       |  |          |
| SF1        | 1 | 8"x4"x3/4"        | Sheet Plywood                   | 4      | 0    |       |  |          |
| SF2        | 1 | 2"x8"-10'         | ceiling joists - lumber         | 7      | 0    |       |  |          |
|            |   |                   |                                 |        |      |       |  | Subtotal |
| Framing    |   |                   |                                 |        |      |       |  |          |
| F1         | 1 | 2"x4-16ft+        | fir plate                       | 160    | 0    | ft    |  |          |
| F2         | 1 | 2"x4-16ft+        | firstud stock                   | 260    | 0    | ft    |  |          |
| F3         | 1 | 2"x4"-91 1/2"     | firstud                         | 29     | 0    |       |  |          |
| F4         | 1 | 2"x4"-70 1/2"     | firstud                         | 2      | 0    |       |  |          |
| F5         | 1 | 2"x4-16ft+        | header - lumber                 | 5      | 0    | ft    |  |          |
| F6         | 1 | 2"x6-16ft+        | header - lumber                 | 15     | 0    | ft    |  |          |
| F7         | 2 | 2"x4-16ft+        | firstud stock                   | 45     | 0    | ft    |  |          |
| F8         | 2 | 2"x4-16ft+        | fir plate                       | 56     | 0    | ft    |  |          |
|            |   |                   |                                 |        |      |       |  | Subtotal |
| Siding     |   |                   |                                 |        |      |       |  |          |
| S1         | 1 | 7" wide           | Siding Wood White               | 843    | 0    | ft    |  |          |
| S2         | 1 |                   | house wrap                      | 383.00 | 0.00 | sq ft |  |          |
| S3         | 2 | 7" wide           | Siding Wood White               | 109    | 0    | ft    |  |          |
|            |   |                   |                                 |        |      |       |  | Subtotal |
| Ext Trim   |   |                   |                                 |        |      |       |  |          |
| EX1        | 0 | 4" thick          | - concrete grey                 | 2.66   | 0.00 | cu yd |  |          |
| EX2        | 1 | 1"x5-12'          | door threshold                  | 2      | 0    |       |  |          |
| EX3        | 1 | 1"x4-16ft+        | ext. door casing - color white  | 27     | 0    | ft    |  |          |
| EX4        | 1 | 5 in              | ext. door jamb - color white    | 27     | 0    | ft    |  |          |
| EX5        | 1 | 1"x4-16ft+        | exterior sill - color white     | 5      | 0    | ft    |  |          |
| EX6        | 1 | 1"x4-16ft+        | ext window casing - color white | 18     | 0    | ft    |  |          |
| EX7        | 1 | 1"x5-30'          | door threshold                  | 1      | 0    |       |  |          |
| EX8        | 1 | 1"x6 in (2)       | corner board - color white      | 32     | 0    | ft    |  |          |
|            |   |                   |                                 |        |      |       |  | Subtotal |
| Roofing    |   |                   |                                 |        |      |       |  |          |
| R1         | 1 | 2"x8"-16'         | ridge board - lumber            | 1      | 0    |       |  |          |
| R2         | 1 | 2"x6"-16'+        | rafters - lumber                | 128    | 0    | ft    |  |          |
| R3         | 1 | 2"x6"-16'         | rafters - lumber                | 2      | 0    |       |  |          |
| R4         | 1 | 2"x6"-10'         | rafters - lumber                | 4      | 0    |       |  |          |
| R5         | 1 | 2"x4"-16'+        | rafters - lumber                | 18     | 0    | ft    |  |          |
| R6         | 1 |                   | ridge vent                      | 15     | 0    | ft    |  |          |
| R7         | 1 |                   | ridge cap                       | 15     | 0    | ft    |  |          |
| R8         | 1 |                   | Roofing Dimensional Comp.       | 233.00 | 0.00 | sq ft |  |          |
| R9         | 1 | 4x8' sheets       | roof sheathing                  | 8      | 0    |       |  |          |
| R10        | 1 | 2"x6"             | gable fascia                    | 31     | 0    | ft    |  |          |
| R11        | 1 | 2"x6"             | eave fascia                     | 30     | 0    | ft    |  |          |
| R12        | 1 |                   | metal drip edge                 | 61     | 0    | ft    |  |          |
|            |   |                   |                                 |        |      |       |  | Subtotal |
| Insulation |   |                   |                                 |        |      |       |  |          |
| IN1        | 1 | 12"x24"x48" batts | ceiling insulation              | 17     | 0    |       |  |          |
| IN2        | 1 | 12"x16"x48" batts | floor insulation                | 26     | 0    |       |  |          |
| IN3        | 1 | 4x16"x93" batts   | wall insulation                 | 32     | 0    |       |  |          |
|            |   |                   |                                 |        |      |       |  | Subtotal |
| Flooring   |   |                   |                                 |        |      |       |  |          |
| FL1        | 1 | 2 1/4" wide       | Flooring Oak-Golden             | 864    | 0    | ft    |  |          |
| Wall Brd   |   |                   |                                 |        |      |       |  |          |
| WB1        | 1 | 4"x8"x1/2"        | Sheet Sheetrock                 | 12     | 0    |       |  |          |
| WB2        | 1 |                   | Color Bone White                | 124.00 | 0.00 | sq ft |  |          |
| WB3        | 1 | 4"x8"x3/4"        | Sheet Sheetrock                 | 4      | 0    |       |  |          |
| WB4        | 2 | 4"x8"x1/2"        | Sheet Sheetrock                 | 2      | 0    |       |  |          |
|            |   |                   |                                 |        |      |       |  | Subtotal |
| Windows    |   |                   |                                 |        |      |       |  |          |
| W1         | 1 | 24x36             | single hung                     | 2      | 0    |       |  |          |
| Doors      |   |                   |                                 |        |      |       |  |          |
| D1         | 1 |                   | handle: Lever (decorative)      | 1      | 0    |       |  |          |
| D2         | 1 |                   | handle: Exterior Handle (ext.)  | 1      | 0    |       |  |          |
| D3         | 1 |                   | lock: Dead Bolt (interior)      | 1      | 0    |       |  |          |
| D4         | 1 |                   | lock: Dead Bolt (exterior)      | 1      | 0    |       |  |          |
| D5         | 1 |                   | hinge: hidden                   | 3      | 0    |       |  |          |
| D6         | 1 | 30x80x1 3/4R      | ext. 3068 19                    | 1      | 0    |       |  |          |
|            |   |                   |                                 |        |      |       |  | Subtotal |
| Int Trim   |   |                   |                                 |        |      |       |  |          |
| T1         | 1 | 1"x4-16ft+        | interior casing                 | 46     | 0    | ft    |  |          |
| T2         | 1 | 1"x4-16ft+        | window apron                    | 5      | 0    | ft    |  |          |
| T3         | 1 | 1"x4-16ft+        | sill                            | 5      | 0    | ft    |  |          |
| T4         | 1 | 1"x6-16ft+        | base molding                    | 46     | 0    | ft    |  |          |
|            |   |                   |                                 |        |      |       |  | Subtotal |
|            |   |                   |                                 |        |      |       |  | Total:   |





Continued on p. 10

1. All slabs are to be min 8" concrete over 4" gravel unless otherwise noted on the plans.
2. Concrete to be ACI 301-68, Type II cement, 2800 psi at 28 days, 2" minimum slump.
3. If required reinforcing to be ASTM A615 Bars with Flyash per ACI 308 diameter minimum as options or as per ACI 308.
4. Concrete design based on fc 1500 psi, fc 2500 psi for quality only.
5. Anchor bolts shall be A 307 embedded 7" minimum into concrete or masonry grout.

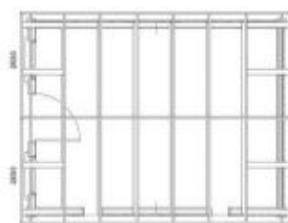


PICTORIAL VIEW

## FLOOR AND BASE PLAN

SCALE 1000:1

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Roof Framing: 2" O.C. Trusses or 2 x 6 Purlins with 2 x 6 Ridge Beams and 2 x 4 Ceiling Joists



2 x 4 Truss with  
plywood Gable  
24' O.C. Truss  
CIBB Decking

2 X 4  
Walls  
18" O.C.

2 x 4  
Pressure  
Treated C

Concrete Floor with  
inset edge

WALL FRAMING SECTIONS

2004年12月

Generalizing: Douglas-Fair

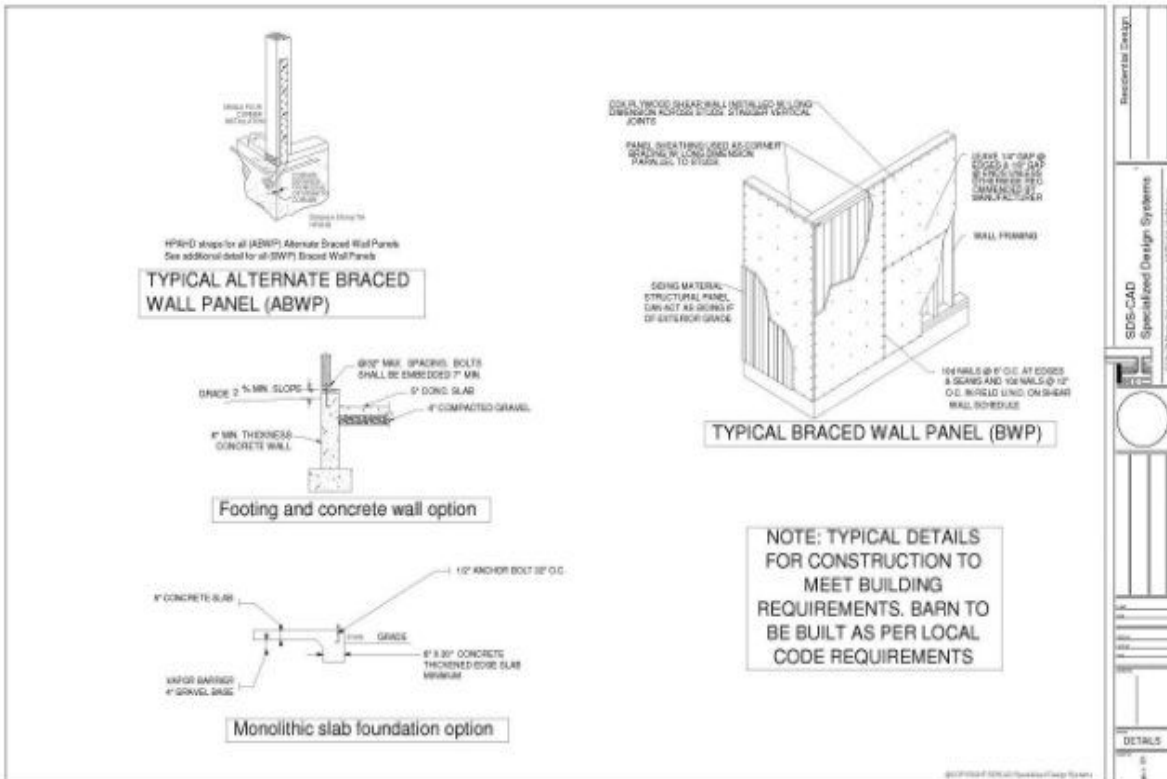
- 1 Measure dimensions of shell according to the following table unless otherwise noted. Header size (single story construction):  
2'0" to 4'0" Span: 2x4s  
4'0" to 6'0" Span: 2x6s  
6'0" to 8'0" Span: 2x8s  
8'0" to 10'0" Span: 2x10s  
10'0" to 12'0" Span: 2x12s or as noted on plan.
- 2 Measure dimensions of beams and joists at soffits at each end of building and at least every 20' in between. If not noted on plan, following:  
a. Supports: W16 cold rolled wide flange I-beams at each end and 1-14I each at each stud.
- 3 Placed sheathing of a minimum thickness of 7/16 inch for sheathing.  
a. Fasten: nails, one 16" in height, four nails.  
b. Soffits, drop ceilings, steel ceilings, steel shingles at top and bottom of end, backing walls and ceiling top plates only.  
c. Fasten: with 16d nails.  
d. Floorings: openings around vents, pipes, ducts, chimneys, and hangers at ceiling and floor levels with approved structural materials.
- 4 CDR approved roof approved where exposed to weather, i.e., roof overhangs.
- 5 Exterior wall framing to be 2"x4" studs at 16" o.c. Interior wall framing at 16" on center will be 2"x4" studs at 16" o.c. or 2"x6" studs at 12" o.c. for exterior walls. 2"x4" studs at 16" o.c. for interior walls.  
Shower walls to be 2"x6" Sheathing, see detail.
- 6 All steel frame members shall comply with AISC-A specification and bear approved shear at all plates in plan.
- 7 Seismic bracing shall be in accordance with F1 construction grade F1453 or better unless otherwise indicated.
- 8 Nailing to be per current UBC, unless otherwise indicated.
- 9 All bearing partitions shall have double top plates.
- 10 Steel and glass partitions shall be designed as per approved as approved agency.
- 11 Use sheathing or panels to finished top plates at all exterior walls.

Recall Training

1. Female to be 2" Douglas Fir.
2. For width see details.
3. For square and dovetail note to floor plate.
4. Use (Minimum 10') heavy welded steel base plates to wall connection.
5. Solid blocking required between plates, rafters, and trusses over all bearing walls.
6. Solid blocking shall be 1" minimum thickness and full depth of plates, rafters, or trusses.
7. Minimum rafter spans shall be according to the header size table unless otherwise noted.
8. Banks of design roof height/roof of 40 psf, and roof dead load of 15 psf.
9. Plywood roof decking to be 1/2" thick 24/0, CDX or 5/8" solid.
10. A112-Pitch Engineered A95 Solid Truss.

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| General | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 | 101 | 102 | 103 | 104 | 105 | 106 | 107 | 108 | 109 | 110 | 111 | 112 | 113 | 114 | 115 | 116 | 117 | 118 | 119 | 120 | 121 | 122 | 123 | 124 | 125 | 126 | 127 | 128 | 129 | 130 | 131 | 132 | 133 | 134 | 135 | 136 | 137 | 138 | 139 | 140 | 141 | 142 | 143 | 144 | 145 | 146 | 147 | 148 | 149 | 150 | 151 | 152 | 153 | 154 | 155 | 156 | 157 | 158 | 159 | 160 | 161 | 162 | 163 | 164 | 165 | 166 | 167 | 168 | 169 | 170 | 171 | 172 | 173 | 174 | 175 | 176 | 177 | 178 | 179 | 180 | 181 | 182 | 183 | 184 | 185 | 186 | 187 | 188 | 189 | 190 | 191 | 192 | 193 | 194 | 195 | 196 | 197 | 198 | 199 | 200 | 201 | 202 | 203 | 204 | 205 | 206 | 207 | 208 | 209 | 210 | 211 | 212 | 213 | 214 | 215 | 216 | 217 | 218 | 219 | 220 | 221 | 222 | 223 | 224 | 225 | 226 | 227 | 228 | 229 | 230 | 231 | 232 | 233 | 234 | 235 | 236 | 237 | 238 | 239 | 240 | 241 | 242 | 243 | 244 | 245 | 246 | 247 | 248 | 249 | 250 | 251 | 252 | 253 | 254 | 255 | 256 | 257 | 258 | 259 | 260 | 261 | 262 | 263 | 264 | 265 | 266 | 267 | 268 | 269 | 270 | 271 | 272 | 273 | 274 | 275 | 276 | 277 | 278 | 279 | 280 | 281 | 282 | 283 | 284 | 285 | 286 | 287 | 288 | 289 | 290 | 291 | 292 | 293 | 294 | 295 | 296 | 297 | 298 | 299 | 300 | 301 | 302 | 303 | 304 | 305 | 306 | 307 | 308 | 309 | 310 | 311 | 312 | 313 | 314 | 315 | 316 | 317 | 318 | 319 | 320 | 321 | 322 | 323 | 324 | 325 | 326 | 327 | 328 | 329 | 330 | 331 | 332 | 333 | 334 | 335 | 336 | 337 | 338 | 339 | 340 | 341 | 342 | 343 | 344 | 345 | 346 | 347 | 348 | 349 | 350 | 351 | 352 | 353 | 354 | 355 | 356 | 357 | 358 | 359 | 360 | 361 | 362 | 363 | 364 | 365 | 366 | 367 | 368 | 369 | 370 | 371 | 372 | 373 | 374 | 375 | 376 | 377 | 378 | 379 | 380 | 381 | 382 | 383 | 384 | 385 | 386 | 387 | 388 | 389 | 390 | 391 | 392 | 393 | 394 | 395 | 396 | 397 | 398 | 399 | 400 | 401 | 402 | 403 | 404 | 405 | 406 | 407 | 408 | 409 | 410 | 411 | 412 | 413 | 414 | 415 | 416 | 417 | 418 | 419 | 420 | 421 | 422 | 423 | 424 | 425 | 426 | 427 | 428 | 429 | 430 | 431 | 432 | 433 | 434 | 435 | 436 | 437 | 438 | 439 | 440 | 441 | 442 | 443 | 444 | 445 | 446 | 447 | 448 | 449 | 450 | 451 | 452 | 453 | 454 | 455 | 456 | 457 | 458 | 459 | 460 | 461 | 462 | 463 | 464 | 465 | 466 | 467 | 468 | 469 | 470 | 471 | 472 | 473 | 474 | 475 | 476 | 477 | 478 | 479 | 480 | 481 | 482 | 483 | 484 | 485 | 486 | 487 | 488 | 489 | 490 | 491 | 492 | 493 | 494 | 495 | 496 | 497 | 498 | 499 | 500 | 501 | 502 | 503 | 504 | 505 | 506 | 507 | 508 | 509 | 510 | 511 | 512 | 513 | 514 | 515 | 516 | 517 | 518 | 519 | 520 | 521 | 522 | 523 | 524 | 525 | 526 | 527 | 528 | 529 | 530 | 531 | 532 | 533 | 534 | 535 | 536 | 537 | 538 | 539 | 540 | 541 | 542 | 543 | 544 | 545 | 546 | 547 | 548 | 549 | 550 | 551 | 552 | 553 | 554 | 555 | 556 | 557 | 558 | 559 | 560 | 561 | 562 | 563 | 564 | 565 | 566 | 567 | 568 | 569 | 570 | 571 | 572 | 573 | 574 | 575 | 576 | 577 | 578 | 579 | 580 | 581 | 582 | 583 | 584 | 585 | 586 | 587 | 588 | 589 | 590 | 591 | 592 | 593 | 594 | 595 | 596 | 597 | 598 | 599 | 600 | 601 | 602 | 603 | 604 | 605 | 606 | 607 | 608 | 609 | 610 | 611 | 612 | 613 | 614 | 615 | 616 | 617 | 618 | 619 | 620 | 621 | 622 | 623 | 624 | 625 | 626 | 627 | 628 | 629 | 630 | 631 | 632 | 633 | 634 | 635 | 636 | 637 | 638 | 639 | 640 | 641 | 642 | 643 | 644 | 645 | 646 | 647 | 648 | 649 | 650 | 651 | 652 | 653 | 654 | 655 | 656 | 657 | 658 | 659 | 660 | 661 | 662 | 663 | 664 | 665 | 666 | 667 | 668 | 669 | 670 | 671 | 672 | 673 | 674 | 675 | 676 | 677 | 678 | 679 | 680 | 681 | 682 | 683 | 684 | 685 | 686 | 687 | 688 | 689 | 690 | 691 | 692 | 693 | 694 | 695 | 696 | 697 | 698 | 699 | 700 | 701 | 702 | 703 | 704 | 705 | 706 | 707 | 708 | 709 | 710 | 711 | 712 | 713 | 714 | 715 | 716 | 717 | 718 | 719 | 720 | 721 | 722 | 723 | 724 | 725 | 726 | 727 | 728 | 729 | 730 | 731 | 732 | 733 | 734 | 735 | 736 | 737 | 738 | 739 | 740 | 741 | 742 | 743 | 744 | 745 | 746 | 747 | 748 | 749 | 750 | 751 | 752 | 753 | 754 | 755 | 756 | 757 | 758 | 759 | 760 | 761 | 762 | 763 | 764 | 765 | 766 | 767 | 768 | 769 | 770 | 771 | 772 | 773 | 774 | 775 | 776 | 777 | 778 | 779 | 780 | 781 | 782 | 783 | 784 | 785 | 786 | 787 | 788 | 789 | 790 | 791 | 792 | 793 | 794 | 795 | 796 | 797 | 798 | 799 | 800 | 801 | 802 | 803 | 804 | 805 | 806 | 807 | 808 | 809 | 810 | 811 | 812 | 813 | 814 | 815 | 816 | 817 | 818 | 819 | 820 | 821 | 822 | 823 | 824 | 825 | 826 | 827 | 828 | 829 | 830 | 831 | 832 | 833 | 834 | 835 | 836 | 837 | 838 | 839 | 840 | 841 | 842 | 843 | 844 | 845 | 846 | 847 | 848 | 849 | 850 | 851 | 852 | 853 | 854 | 855 | 856 | 857 | 858 | 859 | 860 | 861 | 862 | 863 | 864 | 865 | 866 | 867 | 868 | 869 | 870 | 871 | 872 | 873 | 874 | 875 | 876 | 877 | 878 | 879 | 880 | 881 | 882 | 883 | 884 | 885 | 886 | 887 | 888 | 889 | 890 | 891 | 892 | 893 | 894 | 895 | 896 | 897 | 898 | 899 | 900 | 901 | 902 | 903 | 904 | 905 | 906 | 907 | 908 | 909 | 910 | 911 | 912 | 913 | 914 | 915 | 916 | 917 | 918 | 919 | 920 | 921 | 922 | 923 | 924 | 925 | 926 | 927 | 928 | 929 | 930 | 931 | 932 | 933 | 934 | 935 | 936 | 937 | 938 | 939 | 940 | 941 | 942 | 943 | 944 | 945 | 946 | 947 | 948 | 949 | 950 | 951 | 952 | 953 | 954 | 955 | 956 | 957 | 958 | 959 | 960 | 961 | 962 | 963 | 964 | 965 | 966 | 967 | 968 | 969 | 970 | 971 | 972 | 973 | 974 | 975 | 976 | 977 | 978 | 979 | 980 | 981 | 982 | 983 | 984 | 985 | 986 | 987 | 988 | 989 | 990 | 991 | 992 | 993 | 994 | 995 | 996 | 997 | 998 | 999 | 1000 |
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| General | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 | 101 | 102 | 103 | 104 | 105 | 106 | 107 | 108 | 109 | 110 | 111 | 112 | 113 | 114 | 115 | 116 | 117 | 118 | 119 | 120 | 121 | 122 | 123 | 124 | 125 | 126 | 127 | 128 | 129 | 130 | 131 | 132 | 133 | 134 | 135 | 136 | 137 | 138 | 139 | 140 | 141 | 142 | 143 | 144 | 145 | 146 | 147 | 148 | 149 | 150 | 151 | 152 | 153 | 154 | 155 | 156 | 157 | 158 | 159 | 160 | 161 | 162 | 163 | 164 | 165 | 166 | 167 | 168 | 169 | 170 | 171 | 172 | 173 | 174 | 175 | 176 | 177 | 178 | 179 | 180 | 181 | 182 | 183 | 184 | 185 | 186 | 187 | 188 | 189 | 190 | 191 | 192 | 193 | 194 | 195 | 196 | 197 | 198 | 199 | 200 | 201 | 202 | 203 | 204 | 205 | 206 | 207 | 208 | 209 | 210 | 211 | 212 | 213 | 214 | 215 | 216 | 217 | 218 | 219 | 220 | 221 | 222 | 223 | 224 | 225 | 226 | 227 | 228 | 229 | 230 | 231 | 232 | 233 | 234 | 235 | 236 | 237 | 238 | 239 | 240 | 241 | 242 | 243 | 244 | 245 | 246 | 247 | 248 | 249 | 250 | 251 | 252 | 253 | 254 | 255 | 256 | 257 | 258 | 259 | 260 | 261 | 262 | 263 | 264 | 265 | 266 | 267 | 268 | 269 | 270 | 271 | 272 | 273 | 274 | 275 | 276 | 277 | 278 | 279 | 280 | 281 | 282 | 283 | 284 | 285 | 286 | 287 | 288 | 289 | 290 | 291 | 292 | 293 | 294 | 295 | 296 | 297 | 298 | 299 | 300 | 301 | 302 | 303 | 304 | 305 | 306 | 307 | 308 | 309 | 310 | 311 | 312 | 313 | 314 | 315 | 316 | 317 | 318 | 319 | 320 | 321 | 322 | 323 | 324 | 325 | 326 | 327 | 328 | 329 | 330 | 331 | 332 | 333 | 334 | 335 | 336 | 337 | 338 | 339 | 340 | 341 | 342 | 343 | 344 | 345 | 346 | 347 | 348 | 349 | 350 | 351 | 352 | 353 | 354 | 355 | 356 | 357 | 358 | 359 | 360 | 361 | 362 | 363 | 364 | 365 | 366 | 367 | 368 | 369 | 370 | 371 | 372 | 373 | 374 | 375 | 376 | 377 | 378 | 379 | 380 | 381 | 382 | 383 | 384 | 385 | 386 | 387 | 388 | 389 | 390 | 391 | 392 | 393 | 394 | 395 | 39  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     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**Bonus 10 x 14 Garden Shed Plans and Videos**



## ***How to build this little red garden shed***

Video 1 Plans and Materials <http://www.screencast.com/t/ZKMxNsdCxxp6>

Video 2 Building the Floor <http://www.screencast.com/t/106SiGQVdq>

Video 3 Building the Walls <http://www.screencast.com/t/XMbkaBiHQi>

Video 4 Sheathing the Walls <http://www.screencast.com/t/NFXVz2Gk>

Video 5 Building the Roof Part 1&2 <http://www.screencast.com/t/kxkD8VgA>  
<http://www.screencast.com/t/z2SGAgJ6hbHj>

Video 6 Sheathing the Roof <http://www.screencast.com/t/VqhaVeKHSE>

Video 7 Installing Windows <http://www.screencast.com/t/bEZV0EEu>

Video 8 Shingling the Roof <http://www.screencast.com/t/5VoLXmEBjC00>

Video 9 Installing Trim and Building Doors <http://www.screencast.com/t/7Hu8owzsY2>

Video 10 Building Interior Shelves <http://www.screencast.com/t/tccpquesw>





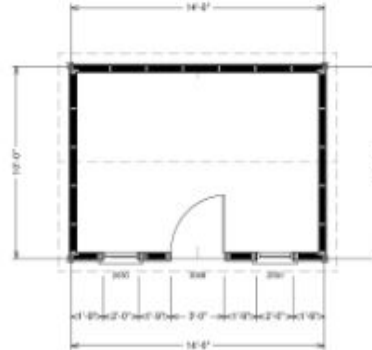
BUILDING CONTRACTOR/HOME OWNER  
TO REVIEW AND VERIFY ALL DIMENSIONS,  
SPECS, AND CONNECTIONS BEFORE  
CONSTRUCTION BEGINS. GARAGE TO BE  
BUILT AS PER INC, USC OR CURRENT LOCAL CODE

To the best of my knowledge these plans are drawn to comply with owner's and/or builder's specifications and any changes made on these after permits are made will be done at the owner's and/or builder's expense and responsibility. The contractor shall verify all dimensions and window/door opening. SDS-CAD is not liable for errors once construction has begun. While every effort has been made in the preparation of this plan to avoid mistakes, the owner cannot guarantee against future error. The contractor of the job must check all dimensions and other details prior to construction and be solely responsible therefor. All calculations and member sizing should be verified for your building by a certified building official.

### G473 10 X 14 X 8 Garden Shed Plan / Playhouse By SDS-CAD Specialized Design Systems

|        |                             |
|--------|-----------------------------|
| Page 1 | Title Main Floor Plan       |
| Page 2 | Elevation Views             |
| Page 3 | Foundation Plan & Pictorial |
| Page 4 | Framing and Details         |
| Page 5 | Detail Page                 |
| Page 6 | Materials List              |

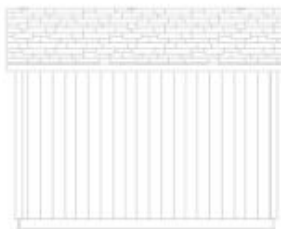
30 year dimensional shingles and horizontal siding over structural panel. Siding schedule is 4" on ends 12" on corners 6d nails. Trusses or rafters are 24" o.c. flooring is 2" x 4" on 16" centers. 7'-6" ceiling height.



SCALE 1/4"=1'

**GARAGE MAIN FLOOR PLAN**

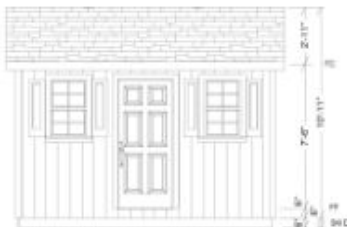
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**REAR ELEVATION**



**LEFT ELEVATION**



**FRONT ELEVATION**

SCALE  
1/4"=1'

6/12 PITCH  
RAFTER OR  
TRUSS  
ON 24"  
CENTERS

ARCHITECTURAL  
ASPHALT  
SHINGLES

8" Tall 2 x 4 Walls

Finish to match  
Garden  
Lap siding with  
7" exposure  
Trim with pine  
boards  
Paint to match

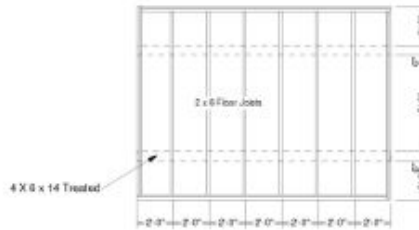


**RIGHT ELEVATION**



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FLOOR SKID OPTION



FOUNDATION OPTION

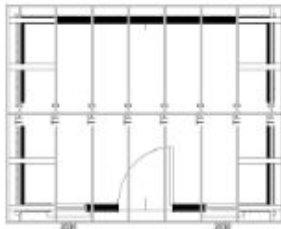
PICTORIAL VIEWS

SCALE 1/4"=1'

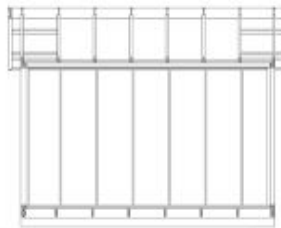
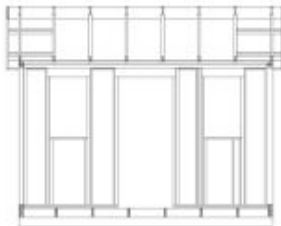
Concrete:

1. All slabs are to be 4" concrete over 4" gravel unless otherwise noted on the plans.
2. Concrete to be ACI 301-66, Type II cement, 2500 psi at 28 days, 6" maximum slump.
3. If required reinforcing to be ASTM A615 Bars with Fy=60 ksi temp 36 diameter minimum at apices or wall per ACI 318.
4. Concrete design based on Fc 2000 psi, Fc 2500 psi for quality only.
5. Anchor bolts shall be A307 embedded 7" minimum into concrete or masonry grout.
6. All footings minimum 24" below final grade.
7. Skirted 1" per 12" to door thickened edge slab 12" x 24"

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GARAGE ROOF TRUSSES OR RAFTER WITH  
RIDGE BEAM 24" o.c.  
7'-0" Tall 2 x 4 Walls  
2 x 6 Floor Joists



WALL FRAMING SECTIONS

SCALE 1/4"=1'

General Framing: Douglas Fir

1. Minimum header sizes shall be according to the following table unless otherwise noted: Header sizes (single story construction)  
2'-0" to 4'-0" Span: 2x6s  
4'-0" to 6'-0" Span: 2x8s  
6'-0" to 8'-0" Span: 2x10s  
8'-0" to 10'-0" Span: 2x12s  
10'-0" to 12'-0" Span: 2x12s or as noted on plan
2. Brace all exterior walls and cross-stud partitions at each end of building and at least every 20' or length by one of the following:  
a. Simpson WFS 125 wall bracing with 3-16d nails at each end and 1-8d nails at each stud.  
b. Plywood sheathing of a minimum thickness of 7/16 inch.
3. The sheathing:  
a. Fasten stud spaces over 10' in height, turned spacers, soffits, drop ceilings, cone ceilings, stair stringers at top and bottom of run, bearing walls and ceiling joist lines, etc.  
b. Fasten openings around vents, pipes, ducts, chimneys, and fireplaces at ceiling and floor levels with approved noncombustible materials.
4. CDX plywood is not approved where exposed to weather, i.e., roof overhangs.
5. Exterior wall framing to be 2"x4" studs at 16" o.c. Interior wall framing of non-bearing walls to be 2"x4" studs at 24" o.c. and of bearing walls 2"x4" studs at 16" o.c. with double top plate. Shear wall to be 7/16" sheathing, see detail.
6. All stress grade timbers shall comply with BOLA specs and bear approval stamp or all pieces in place.
7. Framing timbers shall be Douglas Fir construction grade #1, #2 or better unless otherwise noted.
8. Nailing to be per current U.G.C. unless otherwise noted.
9. All bearing partitions shall have double top plates.
10. Structural glued laminated timbers to be stamped by an approved agency.
11. Use nailboard or pressure treated sole plates at all exterior walls.
- 12.

Roof Framing:

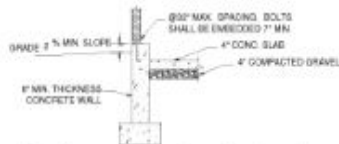
1. Purlins to be 2" x Douglas Fir.
2. For soffit size see details.
3. For spans and dimensions refer to floor plans.
4. Trusses are to be an approved truss design from the truss manufacturer's engineer.
5. Use Simpson 1x1 hurricane anchors at each truss or rafter to wall connection.
6. Solid blocking required between joists, rafters, and trusses over all blocking walls. Such blocking shall be 1 1/2" minimum thickness and full depth of joist, rafter, or trusses.
7. Minimum header sizes shall be according to the header size table unless otherwise noted.
8. Slope of ridge roof to be no less than 12/12 pitch, and roof dead load of 15 psf.
9. Plywood roof decking to be Min 1/2" thick, 3x6, CDX or 5/8" wide.

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WPAIC steps for all (A2WP). Alternate Braced Wall Panels  
See additional detail for all (B2WP). Braced Wall Panels

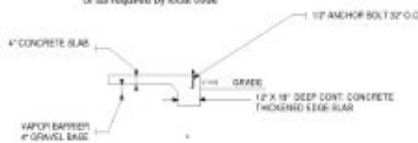
TYPICAL ALTERNATE BRACED  
WALL PANEL (ABWP)

NOTE: TYPICAL DETAILS  
FOR CONSTRUCTION TO  
MEET BUILDING  
REQUIREMENTS. SHEDS  
TO BE BUILT AS PER  
LOCAL CODE  
REQUIREMENTS



### Footings and concrete wall option

Bottom of footing to be a min of 12" below grade  
or as required by local code



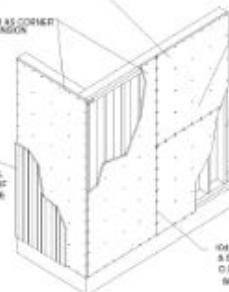
Monolithic slab foundation option

CEX PLYWOOD SHEAR WALL INSTALLED IN LONG DIRECTION ON NO. 10 STUDS, STAGGERED VERTICAL JOINTS

DAMEL SHEATHING USED AS CORNER BRACING IN LONG DIRECTION PARALLEL TO STUDS

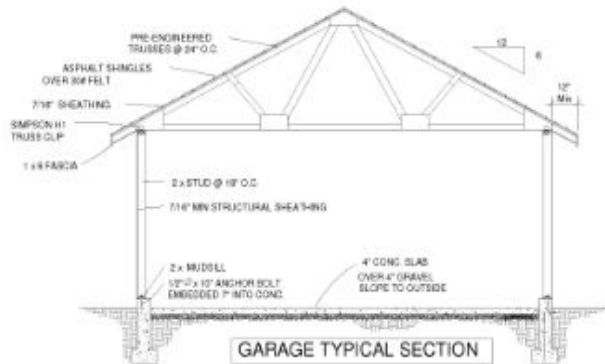
DANIEL BLEATING USED AS CORNER  
BRACING IN LONG DIMENSION  
INSTALLED TO STUD

SEEDING MATERIAL:  
STRUCTURAL PANEL  
CAN ACT AS SEEDING IF  
OF EXTERIOR GRADE



CHAINS @ 8" O.C. AT EDGES  
S. EDGES AND 16" NAILS @ 12"  
O.C. IN FIELD UN O. ON SHEET  
WALL SCHEDULE

TYPICAL BRACED WALL PANEL (BWP)



## GARAGE TYPICAL SECTION

© 2004 Blackwell Publishing Ltd *Journal of Internal Medicine* 255: 103–110

[illegible]

Computer generated materials list from the computer inside a .g file place to start with your material requirements.

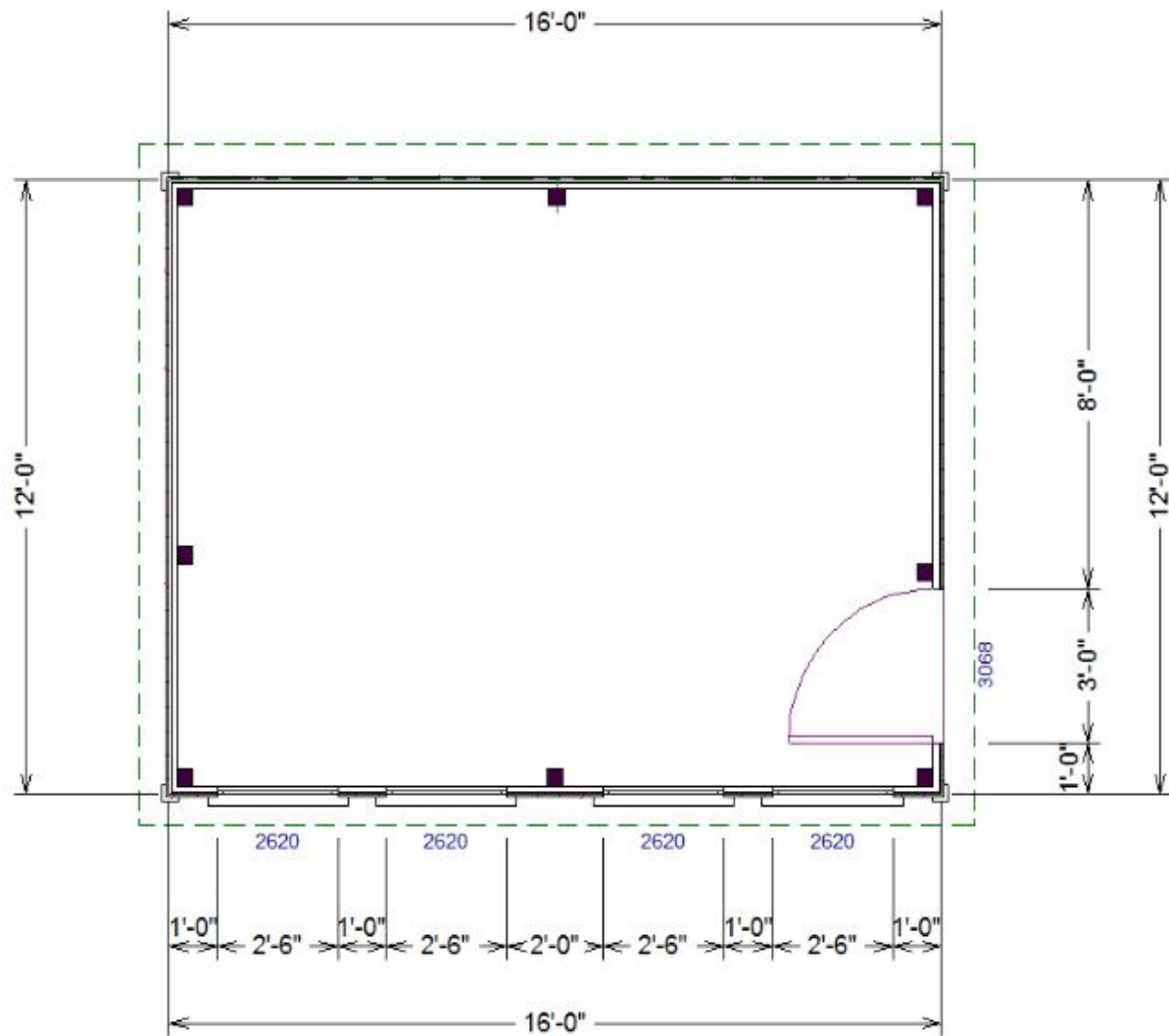
doi:10.1371/journal.pone.0142422.g002



**Bonus Plans 12' X 16' Chicken Coop Pole Barn Option**







Complete plans are available later in the book.



They have a really nice herb garden in front of their coop.



I built the chicken coop as a pole barn. I used end treated posts to protect against the moisture in the ground. I dug the holes 30" into the ground and used post mix concrete to set them in place.





The coop is 16' x 12', I placed the posts 8' apart on the front and back side of the building.



On the ends I put the post at 8' and 4' spacing.

I put the horizontal 2 x 6 boards every 2' . This shows that the back of the building is 6' tall and the front is 8' tall. I then blocked out for a door. I later cut the 2 x 6 to add a taller door to the coop.

The top rail on the front and back is a 2 x 10 to help hold the weight of the roof. Simpson H1 Straps were used on every other roof joist to hold it to that 2 x 10.





The roof is made of 2 x 6 boards 14' long placed 16" o.c.



For the exterior of the building I decided to go with a traditional board and batten siding using some pine that I had cut into 3/4 " thick boards. You can use any exterior that you want from metal siding to panel siding. I used wood also to trim out the top edge or fascia of the building.



The board and batten siding is made by using 1 x 8 boards and nailing them up with a 1 inch gap and then placing a 2" board over the gap.









This is a picture of the framed in door.

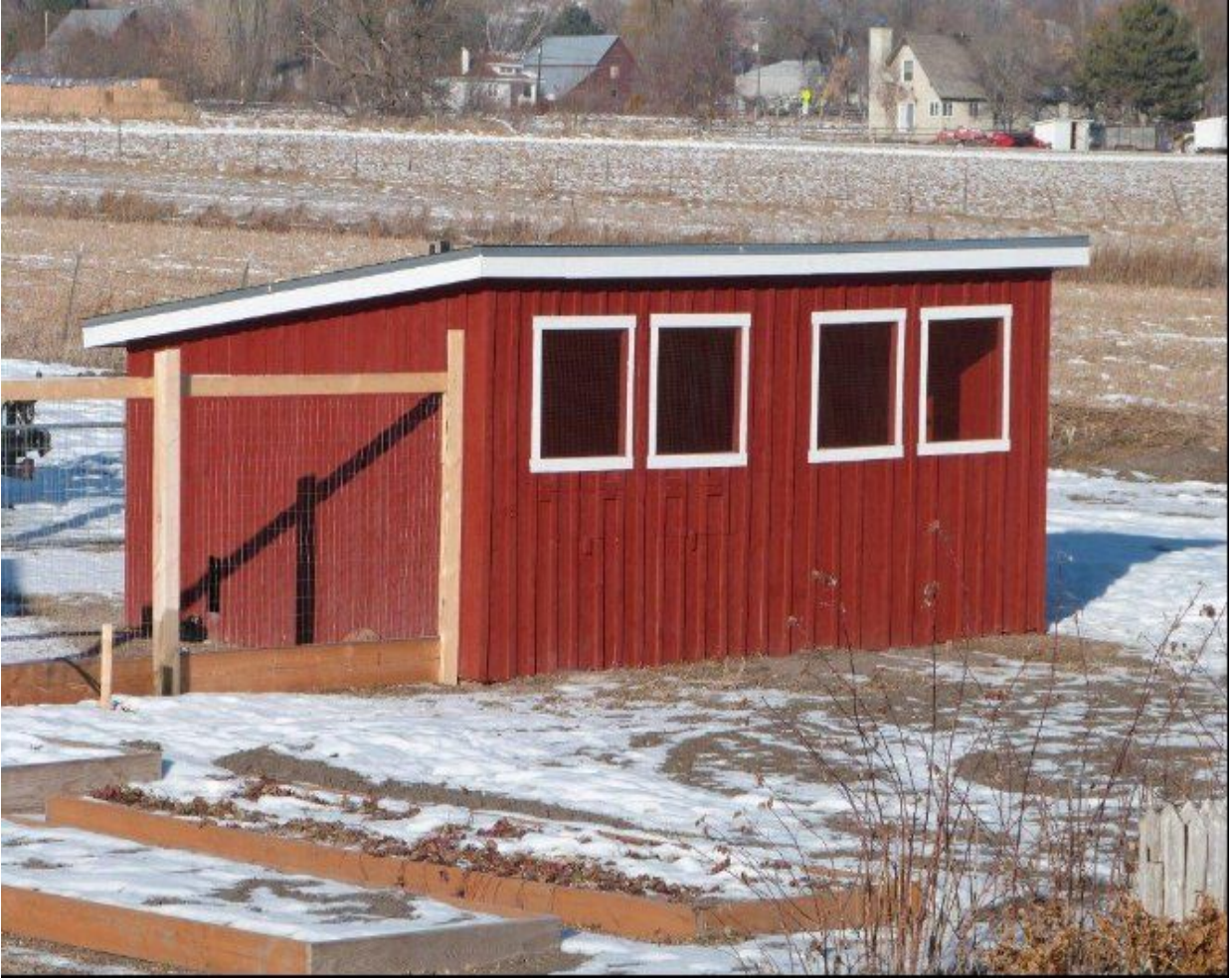


We framed in 4 windows across the front and covered them with chicken wire.



Here is the completed homemade door and the trim around it.



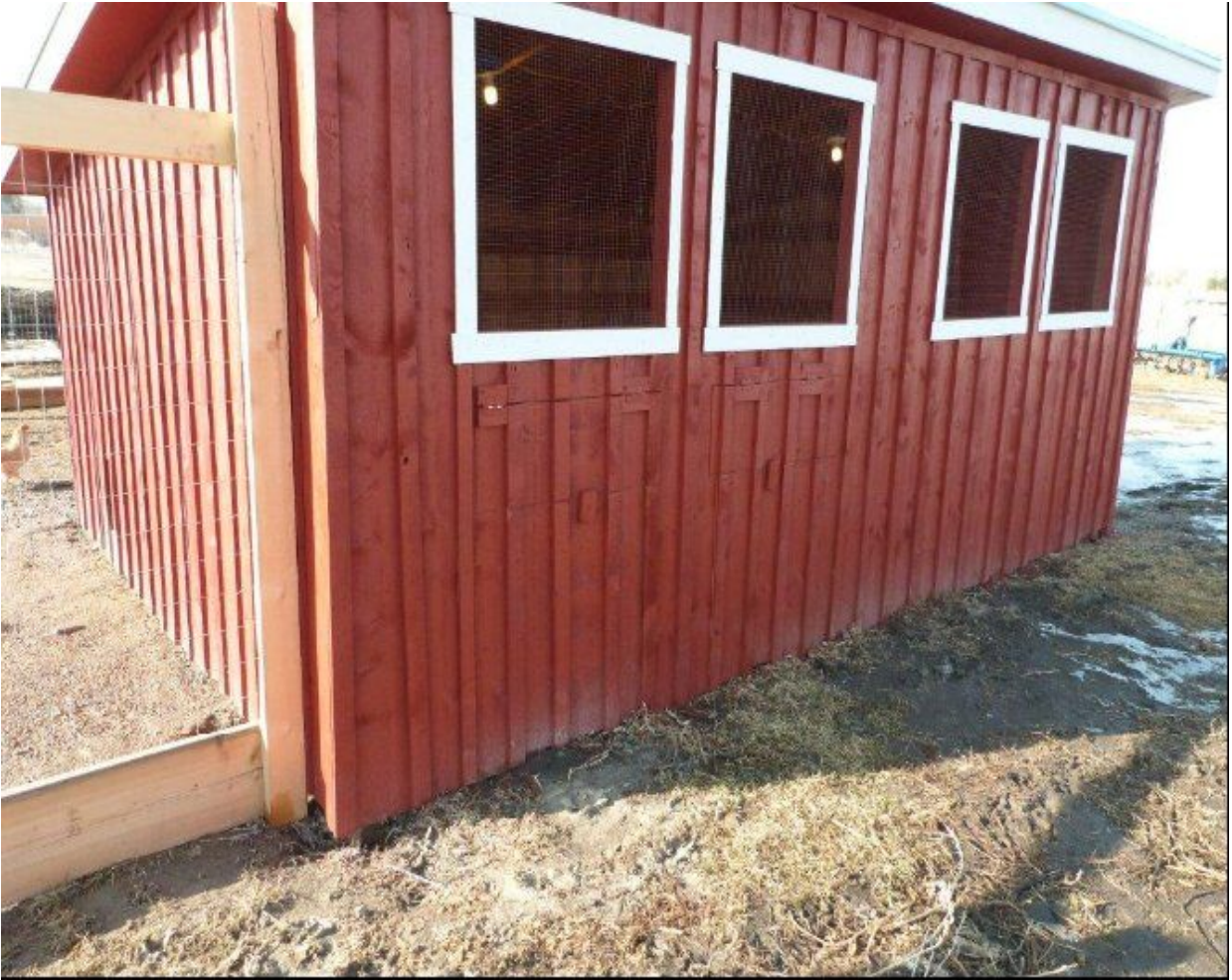


We built a chicken run that is 6' high and about 30 x 40 attached the chicken coop. It works we well for them to go out. Depending on predators in your area you may have to put a top on the run.



We placed a small door on the wall for the chickens to enter the run. It has a door on it that can be closed if needed.





On the front of the chicken coop we added some small doors over the nesting boxes to be able to access the eggs without entering the chicken coop





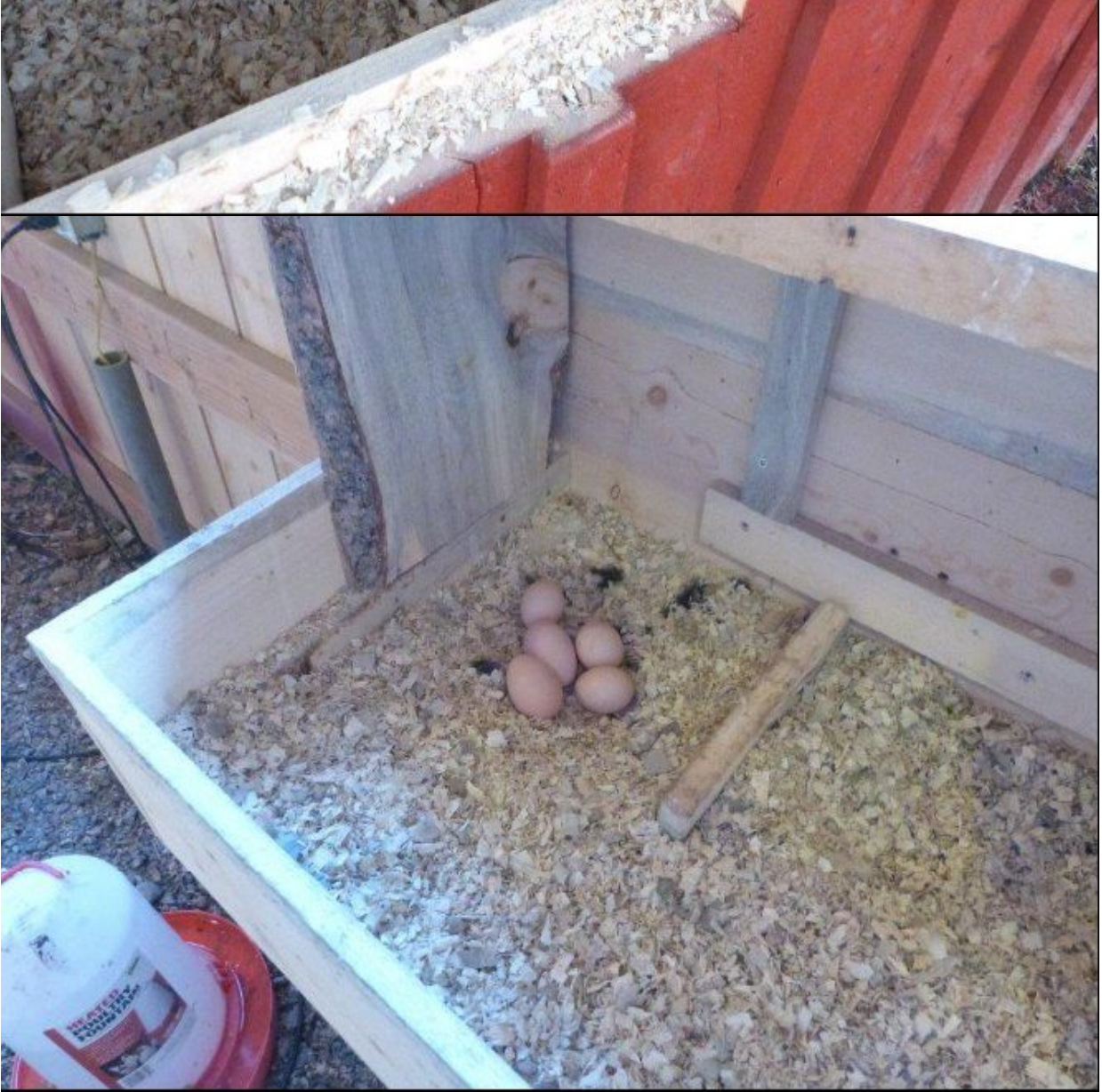


The doors open easily from the outside to check for eggs.









We put some basic nesting boxes together and added sawdust for the chickens to lay their eggs in.



Here is the picture of a simple roosting ladder for the chickens to roost at night.

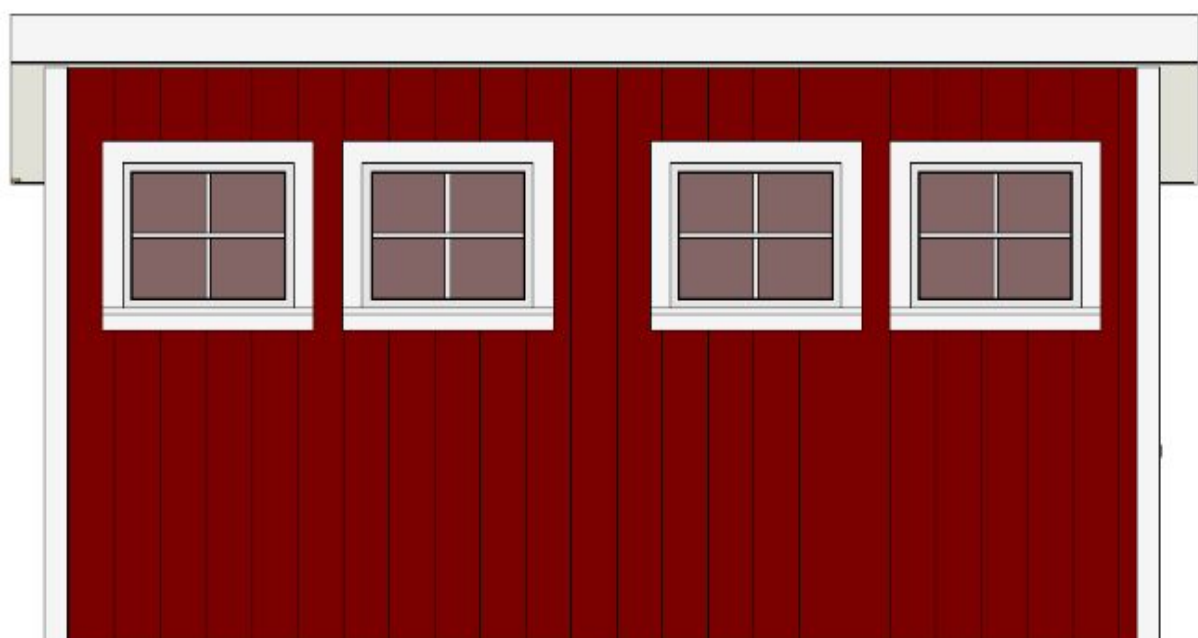
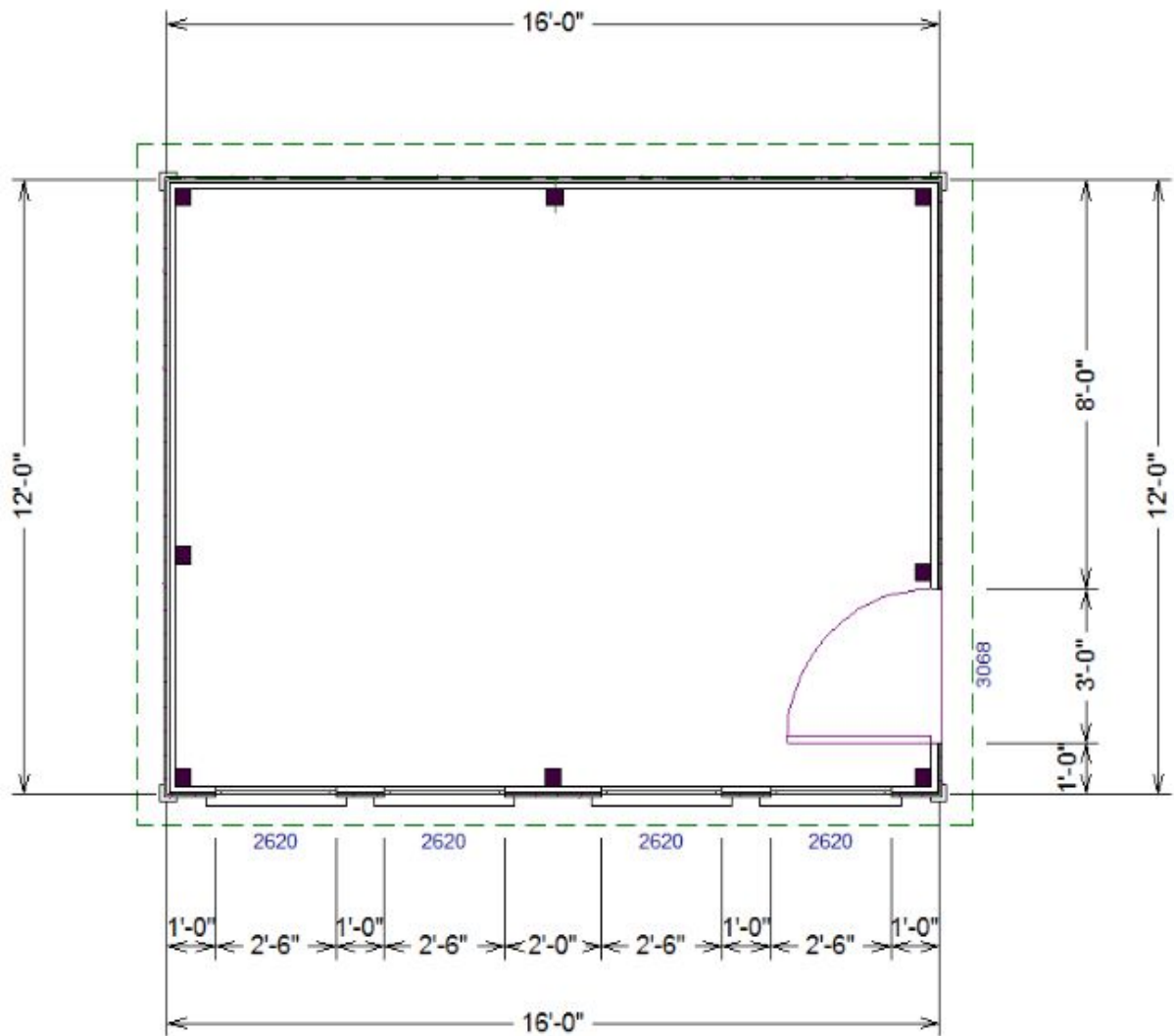


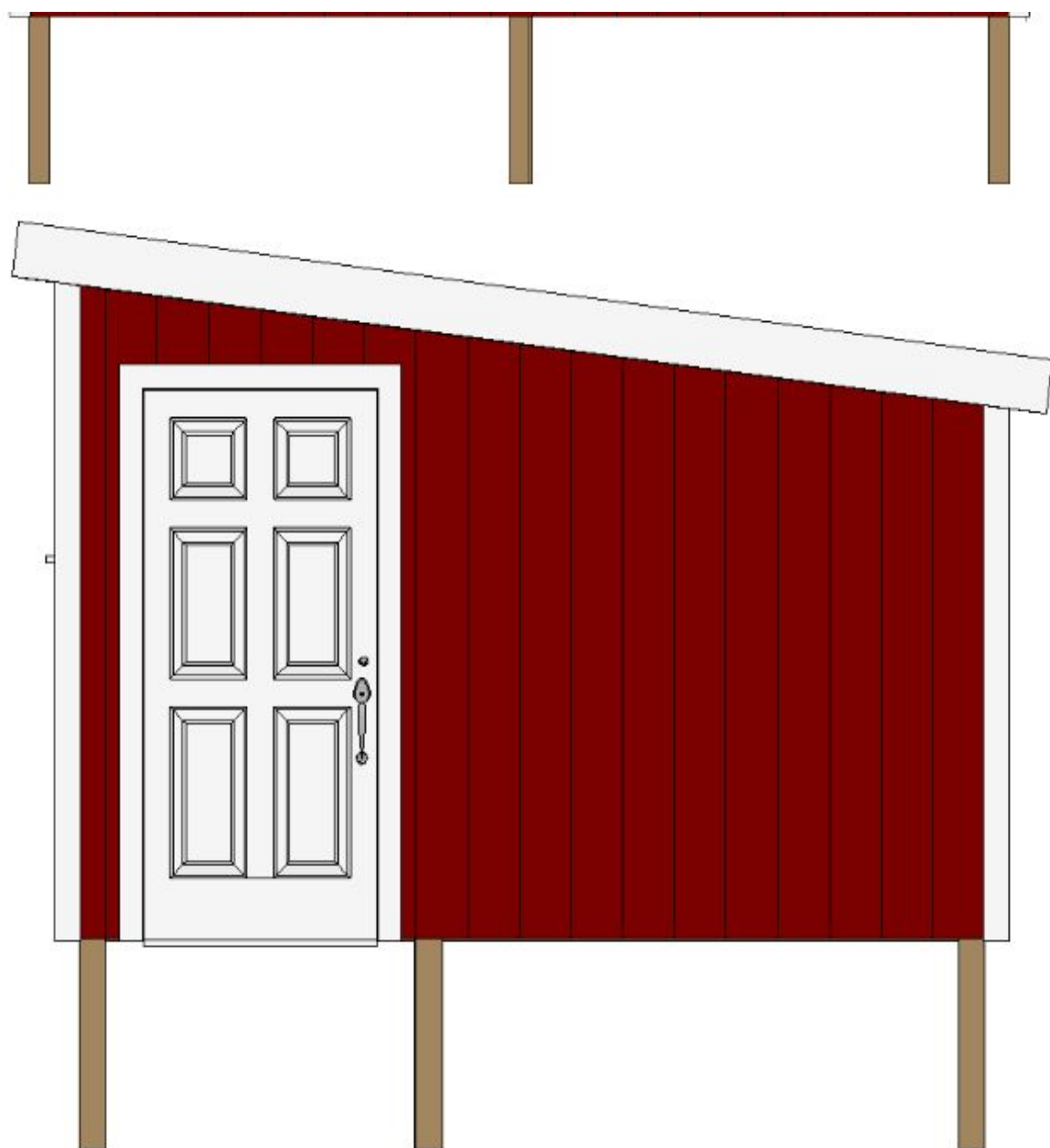


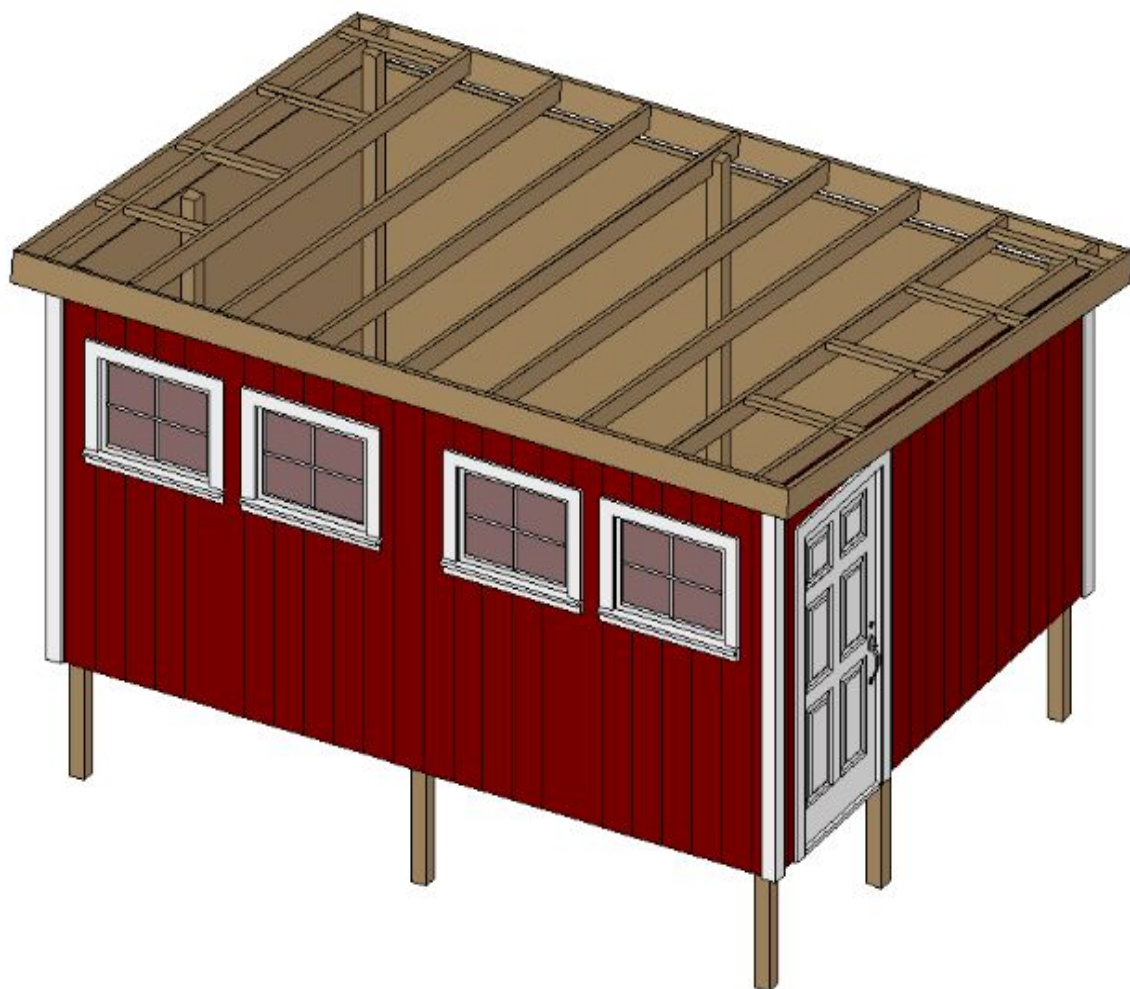
**We made just a small door to enter the run. We made it so that it could be closed at night if we had any predator problems.**

**12' X 16' Chicken Coop Pole Barn Option**













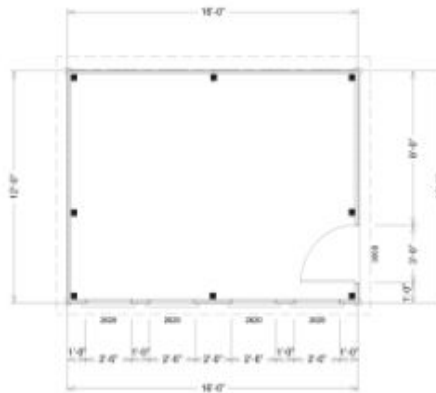
BUILDING CONTRACTOR/HOME OWNER  
TO REVIEW AND VERIFY ALL DIMENSIONS,  
SPICES, AND CONNECTIONS BEFORE  
CONSTRUCTION BEGINS. SHED TO BE  
BUILT AS PER IRC, UBC OR CURRENT LOCAL CODE.

To the best of my knowledge these plans are drawn to comply with owner's and/or builder's specifications and any changes made on these other prints are made at the owner's and/or builder's expense and responsibility. The contractor shall verify all dimensions and enclosed drawing. SDS-CAD is not liable for errors once construction has begun. While every effort has been made in the preparation of this plan to avoid mistakes, the maker can not guarantee against human error. The contractor of the job must check all dimensions and other details prior to construction and be solely responsible thereafter. All calculations and member sizing should be verified for your building by a certified building official.

**G481 POLE BARN 12 X 16 X 8**  
**Garden Shed Plan / Playhouse / Chicken Coop**  
**By SDS-CAD Specialized Design Systems**

|        |                              |
|--------|------------------------------|
| Page 1 | Title Main Floor Plan        |
| Page 2 | Elevation Views              |
| Page 3 | Foundation Plan & Pictorials |
| Page 4 | Framing and Details          |
| Page 5 | Detail Page                  |
| Page 6 | Pole Barn Detail Option      |

30 year dimensional shingles and horizontal siding over aluminum panel. Siding schedule 8' 6" on ends 12" on centers for walls. Trusses or rafters are 24" o.c. Tracing is 2" x 4" on 16" centers. 7' 6" ceiling height.



SCALE 1/4"=1'

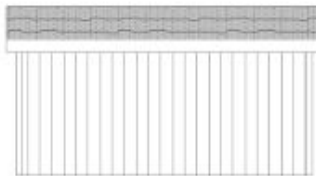
**GARAGE MAIN FLOOR PLAN**

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Residential Design

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1/16" = 1/8" = 1/4" = 1/2" = 3/4" = 1" = 1 1/2" = 2" = 3" = 4" = 6" = 8" = 12" = 18" = 24" = 36" = 48" = 60" = 72" = 84" = 96" = 108" = 120" = 144" = 168" = 192" = 216" = 240" = 264" = 288" = 312" = 336" = 360" = 384" = 408" = 432" = 456" = 480" = 504" = 528" = 552" = 576" = 600" = 624" = 648" = 672" = 696" = 720" = 744" = 768" = 792" = 816" = 840" = 864" = 888" = 912" = 936" = 960" = 984" = 1008" = 1032" = 1056" = 1080" = 1104" = 1128" = 1152" = 1176" = 1200" = 1224" = 1248" = 1272" = 1296" = 1320" = 1344" = 1368" = 1392" = 1416" = 1440" = 1464" = 1488" = 1512" = 1536" = 1560" = 1584" = 1608" = 1632" = 1656" = 1680" = 1704" = 1728" = 1752" = 1776" = 1800" = 1824" = 1848" = 1872" = 1896" = 1920" = 1944" = 1968" = 1992" = 2016" = 2040" = 2064" = 2088" = 2112" = 2136" = 2160" = 2184" = 2208" = 2232" = 2256" = 2280" = 2304" = 2328" = 2352" = 2376" = 2400" = 2424" = 2448" = 2472" = 2496" = 2520" = 2544" = 2568" = 2592" = 2616" = 2640" = 2664" = 2688" = 2712" = 2736" = 2760" = 2784" = 2808" = 2832" = 2856" = 2880" = 2904" = 2928" = 2952" = 2976" = 3000" = 3024" = 3048" = 3072" = 3096" = 3120" = 3144" = 3168" = 3192" = 3216" = 3240" = 3264" = 3288" = 3312" = 3336" = 3360" = 3384" = 3408" = 3432" = 3456" = 3480" = 3504" = 3528" = 3552" = 3576" = 3600" = 3624" = 3648" = 3672" = 3696" = 3720" = 3744" = 3768" = 3792" = 3816" = 3840" = 3864" = 3888" = 3912" = 3936" = 3960" = 3984" = 4008" = 4032" = 4056" = 4080" = 4104" = 4128" = 4152" = 4176" = 4200" = 4224" = 4248" = 4272" = 4296" = 4320" = 4344" = 4368" = 4392" = 4416" = 4440" = 4464" = 4488" = 4512" = 4536" = 4560" = 4584" = 4608" = 4632" = 4656" = 4680" = 4704" = 4728" = 4752" = 4776" = 4800" = 4824" = 4848" = 4872" = 4896" = 4920" = 4944" = 4968" = 4992" = 5016" = 5040" = 5064" = 5088" = 5112" = 5136" = 5160" = 5184" = 5208" = 5232" = 5256" = 5280" = 5304" = 5328" = 5352" = 5376" = 5400" = 5424" = 5448" = 5472" = 5496" = 5520" = 5544" = 5568" = 5592" = 5616" = 5640" = 5664" = 5688" = 5712" = 5736" = 5760" = 5784" = 5808" = 5832" = 5856" = 5880" = 5904" = 5928" = 5952" = 5976" = 6000" = 6024" = 6048" = 6072" = 6096" = 6120" = 6144" = 6168" = 6192" = 6216" = 6240" = 6264" = 6288" = 6312" = 6336" = 6360" = 6384" = 6408" = 6432" = 6456" = 6480" = 6504" = 6528" = 6552" = 6576" = 6600" = 6624" = 6648" = 6672" = 6696" = 6720" = 6744" = 6768" = 6792" = 6816" = 6840" = 6864" = 6888" = 6912" = 6936" = 6960" = 6984" = 7008" = 7032" = 7056" = 7080" = 7104" = 7128" = 7152" = 7176" = 7200" = 7224" = 7248" = 7272" = 7296" = 7320" = 7344" = 7368" = 7392" = 7416" = 7440" = 7464" = 7488" = 7512" = 7536" = 7560" = 7584" = 7608" = 7632" = 7656" = 7680" = 7704" = 7728" = 7752" = 7776" = 7800" = 7824" = 7848" = 7872" = 7896" = 7920" = 7944" = 7968" = 7992" = 8016" = 8040" = 8064" = 8088" = 8112" = 8136" = 8160" = 8184" = 8208" = 8232" = 8256" = 8280" = 8304" = 8328" = 8352" = 8376" = 8400" = 8424" = 8448" = 8472" = 8496" = 8520" = 8544" = 8568" = 8592" = 8616" = 8640" = 8664" = 8688" = 8712" = 8736" = 8760" = 8784" = 8808" = 8832" = 8856" = 8880" = 8904" = 8928" = 8952" = 8976" = 9000" = 9024" = 9048" = 9072" = 9096" = 9120" = 9144" = 9168" = 9192" = 9216" = 9240" = 9264" = 9288" = 9312" = 9336" = 9360" = 9384" = 9408" = 9432" = 9456" = 9480" = 9504" = 9528" = 9552" = 9576" = 9600" = 9624" = 9648" = 9672" = 9696" = 9720" = 9744" = 9768" = 9792" = 9816" = 9840" = 9864" = 9888" = 9912" = 9936" = 9960" = 9984" = 10000"



**REAR ELEVATION**



**LEFT ELEVATION**



**FRONT ELEVATION**

SCALE 1/4"=1'

1 5/12 PITCH  
2 x 6 RAFTER OR TRUSS  
ON 16" CENTERS

ARCHITECTURAL  
ASPHALT  
SHINGLES

2" Tall 2 x 4 Walls  
Finish to match  
Cottage  
Lap siding with  
7" exposure  
Trim with pine  
boards  
Paint to match



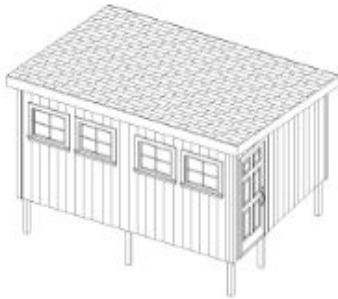
**RIGHT ELEVATION**

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1/16" = 1/8" = 1/4" = 1/2" = 3/4" = 1" = 1 1/2" = 2" = 3" = 4" = 6" = 8" = 12" = 18" = 24" = 36" = 48" = 60" = 72" = 84" = 96" = 108" = 120" = 144" = 168" = 192" = 216" = 240" = 264" = 288" = 312" = 336" = 360" = 384" = 408" = 432" = 456" = 480" = 504" = 528" = 552" = 576" = 600" = 624" = 648" = 672" = 696" = 720" = 744" = 768" = 792" = 816" = 840" = 864" = 888" = 912" = 936" = 960" = 984" = 1000"



PICTORIAL VIEWS



### FOUNDATION OPTION

SC415 14"x14"

Concrete:

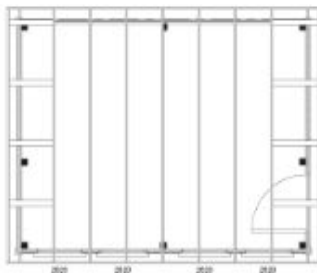
1. All slabs are to be 4" concrete over 4" gravel unless otherwise noted on the plans.
2. Concrete to be ACI 301-06, Type II cement, 2500 psi at 28 days, 5" maximum slump.
3. If required reinforcing to be ASTM A615 Bars with Fy60 has lap 36 diameter minimum at splices or weld per ACI 308.
4. Concrete design based on Fc 2000 psi, Fy 2500 psi for quality only.
5. Anchor bolts shall be A-307 embedded 7" minimum into concrete or masonry grid.
6. All footings minimum 24" below final grade.
7. Sloped 1" per 10" to door. Thickened edge slab 12" x 24"

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SHED ROOF TRUSSES OR 2 x 6 RAFTER 14" E.C.

4 x 4 Pressure Treated Poles min  
2 x 6 horizontal poles 24" O.C.



### WALL FRAMING SECTIONS

SCALE 1/8"=1'

General framing: (Douglas Fir)

1. Minimum header sizes shall be according to the following table unless otherwise noted. Header sizes (single story construction):  
2'-0" to 4'-0" Span: 2-2x6s  
4'-0" to 6'-0" Span: 2-2x8s  
6'-0" to 8'-0" Span: 2-2x10s  
8'-0" to 10'-0" Span: 2-2x12s  
10'-0" to 12'-0" Span: 2-2x12s or as noted on plan
2. Brace all exterior walls and cross-end partitions at each end of building and at least every 25' of length by one of the following:  
a. Simpson WR 125 wall bracing with 3-1/2" x 1/4" bolts at each end and 1-1/2" x 1/4" bolts at each stud.  
b. Plywood sheathing of a minimum thickness of 5/16" inch 7' or sheathing.
3. a. Fasten stud spaces over 10' in height, banded spaces, soffits, drop ceilings, core ceilings, stair stringers at top and bottom of run, bearing walls and ceiling joists, etc.  
b. Fasten openings around vents, pipes, ducts, chimneys, and fireplaces at ceiling and floor levels with approved noncombustible materials.
4. CDX sheathing is not approved where exposed to weather, i.e., roof overhangs.
5. Exterior wall framing to be 2"x4" studs at 16" o.c. Interior wall framing at non-bearing walls to be 2"x4" studs at 24" o.c. and at bearing walls 2"x6" studs at 16" o.c. with double top plate.
6. Shear wall to be 7/16" Sheathing, see detail.
7. All stress grade lumber shall comply with WCLIA specs and bear approval stamp on all pieces in place.
8. Framing lumber shall be Douglas Fir construction grade Fb 1450 or better unless otherwise noted.
9. Nailing to be per current U.B.C. unless otherwise noted.
10. All ceiling partitions shall have double top plates.
11. Structural glued laminated timbers to be stamped by an approved agency.
12. Use subfloor or pressure treated sole plates at all exterior walls.

Roof Framing:

1. Rafters to be 2"x Douglas Fir.
2. For rafter size see details.
3. For spans and dimensions refer to floor plans.
4. Trusses are to be an approved truss design from the truss manufacturer's engineer.
5. Use Simpson 161 hurricane anchors at each truss or after to wall connection.
6. Solid blocking required between joists, rafters, and trusses over all bearing walls. Such blocking shall be 1" 1/2" minimum thickness and full depth of joists, rafters, or trusses.
7. Minimum header sizes shall be according to the header size table unless otherwise noted.
8. Rafters of design roof have max load of 27 psf, and roof dead load of 10 psf.
9. Plywood roof decking to be Min 1/2" thick, DFL, CDX or 5/8" water.

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## A 3D perspective rendering of a small, rectangular wooden shed. The shed is painted a vibrant red and features vertical wooden siding. It has a flat, white roof with a thin white fascia board. On the front-left wall, there are three identical, white-framed windows, each divided into a 2x3 grid of six small panes. On the front-right wall, there is a single white-framed door with a traditional six-panel design. The shed is set against a plain white background.

**BUILDING CONTRACTOR/HOME OWNER  
TO REVIEW AND VERIFY ALL DIMENSIONS,  
SPECS. AND CONNECTIONS BEFORE  
CONSTRUCTION BEGINS. SHED TO BE  
BUILT AS PER IRC, UBC OR CURRENT LOCAL CODE**

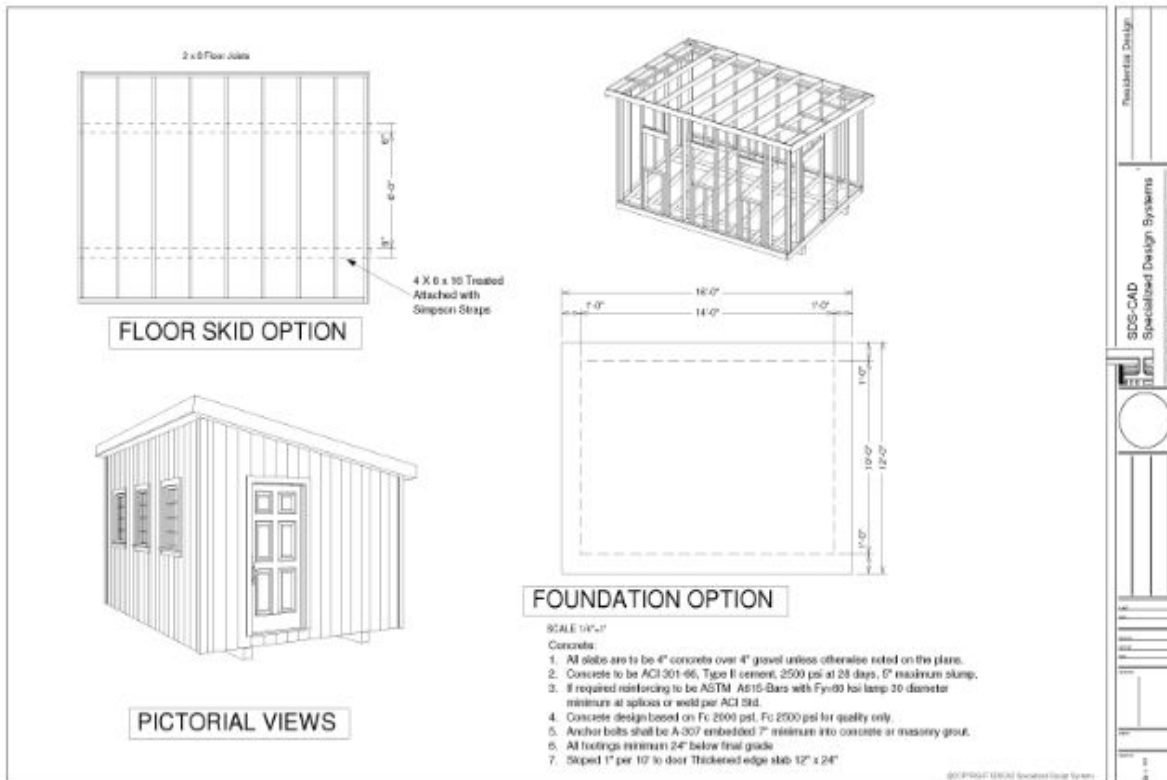
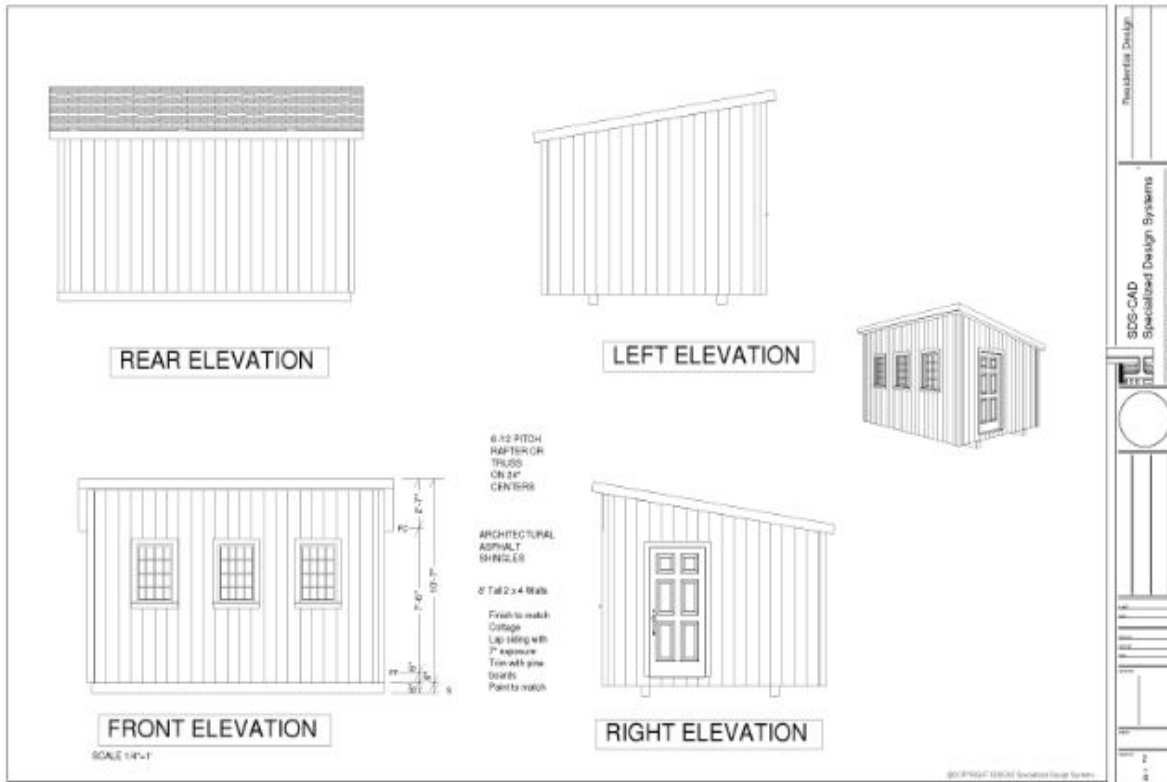
To the best of my knowledge these plans are drawn to comply with owner's and/or builder's specifications and any changes made on others after permits are made will be done at the owner's and/or builder's expense and responsibility. The contractor shall verify all dimensions and redwood framing. SDS-CAD is not liable for errors once construction has begun. While every effort has been made in the preparation of this plan to avoid mistakes, the maker can not guarantee against human error. The contractor of the job must check all dimensions and other details prior to construction and be solely responsible therefor. All calculations and material usage should be verified for your building by a certified building official.

**G481 12 X 16 X 8 Garden Shed Plan / Playhouse / Chicken Coop**  
**By SDS-CAD Specialized Design Systems**

|        |                           |
|--------|---------------------------|
| Page 1 | Title Main Floor Plan     |
| Page 2 | Elevation Views           |
| Page 3 | Foundation Plan & Details |
| Page 4 | Framing and Details       |
| Page 5 | Detail Page               |
| Page 6 | Materials List            |

30 year dimensional Douglas fir and horizontal siding over structural sheath. Siding schedule is 8' on ends 12' on corners and ends. Trusses or rafters are 24" o.c. flooring is 2" x 4" on 16" centers. 7'-6" ceiling height.

**SCALE 1/8"=1'**  
**GARAGE MAIN FLOOR PLAN**



**GARAGE ROOF TRUSSES OR RAFTERS WITH RIDGE BEAM 24" o.c.**

7'-0" Tall x 4 Walls  
2 x 6 Floor Joists

**Generalizing (Douglas Fir)**

- Minimum header sizes shall be according to the following table unless otherwise noted. Header sizes (single story construction)
- 2'-0" to 4'-0" Span: 2x6s
- 4'-0" to 6'-0" Span: 2x8s
- 6'-0" to 8'-0" Span: 2x10s
- 8'-0" to 10'-0" Span: 2x12s
- 10'-0" to 12'-0" Span: 2x12s or as noted on plan
- Roofs of exterior walls and roof-club portions at each end of building and at least every 24" of length by one of the following:
  - a. Simpson MS 125 wall bracing with 3/16" rods at each end and 1/8" rods at each stud
  - b. Plywood sheathing of a minimum thickness of 7/16" inch
  - c. The following:
    - 1. If rafter stud spaces over 12" in height, turned spaces, soffits, drop ceilings, cone ceilings, steel straps at top and bottom of run, blocking walls and ceiling joist lines, etc.
    - 2. Rafter blocking shall consist of 2" nominal lumber.
    - 3. If rafter openings exceed vents, pipes, ducts, chimneys, and fireplaces at ceiling and floor levels with approved noncombustible materials.
- CDX plywood is not approved where exposed to weather, i.e., roof overhangs.
- Exterior wall bracing to be 2x6" studs at 16" o.c. interior wall bracing at non-bearing walls to be 2x4" studs at 24" o.c. and at bearing walls 2x4" studs at 16" o.c. with double top plate.
- Shear wall to be 7/16" Sheathing, see detail.
- All stress grade lumber shall comply with BCLA specs and bear approved stamp on all pieces in place.
- Framing lumber shall be Douglas Fir construction grade Fb 1400 or better unless otherwise noted.
- Roofing to be per current U.L.C. unless otherwise noted.
- Allowing partitions shall have double top plates.
- Structural glued laminated timbers to be stamped by an approved agency.
- Use rebarbed or pressure treated sole plates at all exterior walls.

**WALL FRAMING SECTIONS** SCALE: 1/8"=1'

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4

**TYPICAL ALTERNATE BRACED WALL PANEL (ABWP)**

HFW-ID straps for all (ABWP) Alternate Braced Wall Panels. See additional detail for all (BWP) Braced Wall Panels.

**NOTE: TYPICAL DETAILS FOR CONSTRUCTION TO MEET BUILDING REQUIREMENTS. SHEDS TO BE BUILT AS PER LOCAL CODE REQUIREMENTS**

**TYPICAL BRACED WALL PANEL (BWP)**

**Footing and concrete wall option**

Bottom of footing to be a min of 12" below grade or as required by local code.

**Monolithic slab foundation option**

**GARAGE TYPICAL SECTION**

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5









Plans 12 x 20 Gambrel Shed Plans



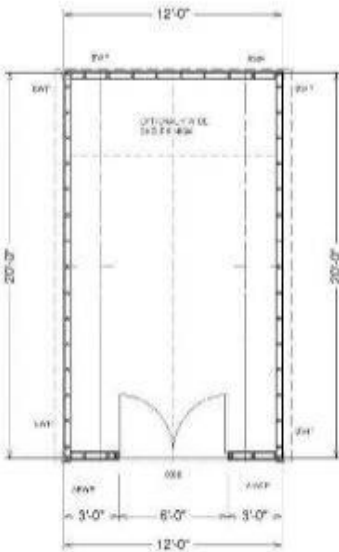
BUILDING CONTRACTOR/HOME OWNER  
TO REVIEW AND VERIFY ALL DIMENSIONS,  
SPECS, AND CONNECTIONS BEFORE  
CONSTRUCTION BEGINS. BARN TO BE BUILT AS  
PER LOCAL CODE REQUIREMENTS

To the best of my knowledge these plans are drawn to comply with local, state and/or national specifications and are a design made in good faith and to the best of my ability. The contractor shall verify all dimensions and structural details. SDS-CAD is not liable for any code violations that may occur. While every effort has been made in the preparation of this plan to avoid mistakes, the maker can not guarantee against human error. The contractor of the project must check all dimensions and other details prior to construction and be solely responsible therefor. All calculations and construction should be verified by your building department.

#G484 12 x 20 x 8 Gambrel Shed  
By SDS-CAD Specialized Design Systems

|        |                                |
|--------|--------------------------------|
| Page 1 | Title Main Floor Plan          |
| Page 2 | Elevation Views                |
| Page 3 | Floor Plan & Photographs       |
| Page 4 | Framing and Details            |
| Page 5 | Detail Page and Materials List |

10-year warranty on shingles and structural  
parts only. Roofing materials to 6" on ends  
17" on corners (2 walls - framing 6 7/8" x 4" on  
10' centers, 12' eave height)



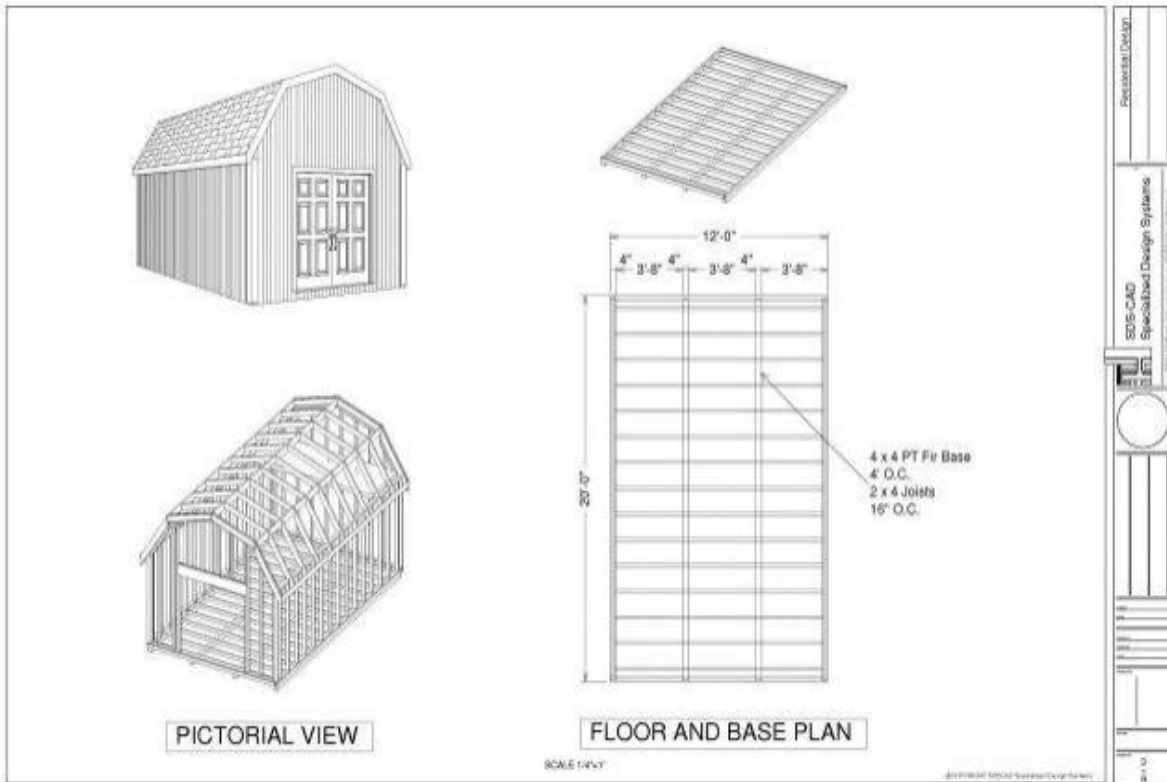
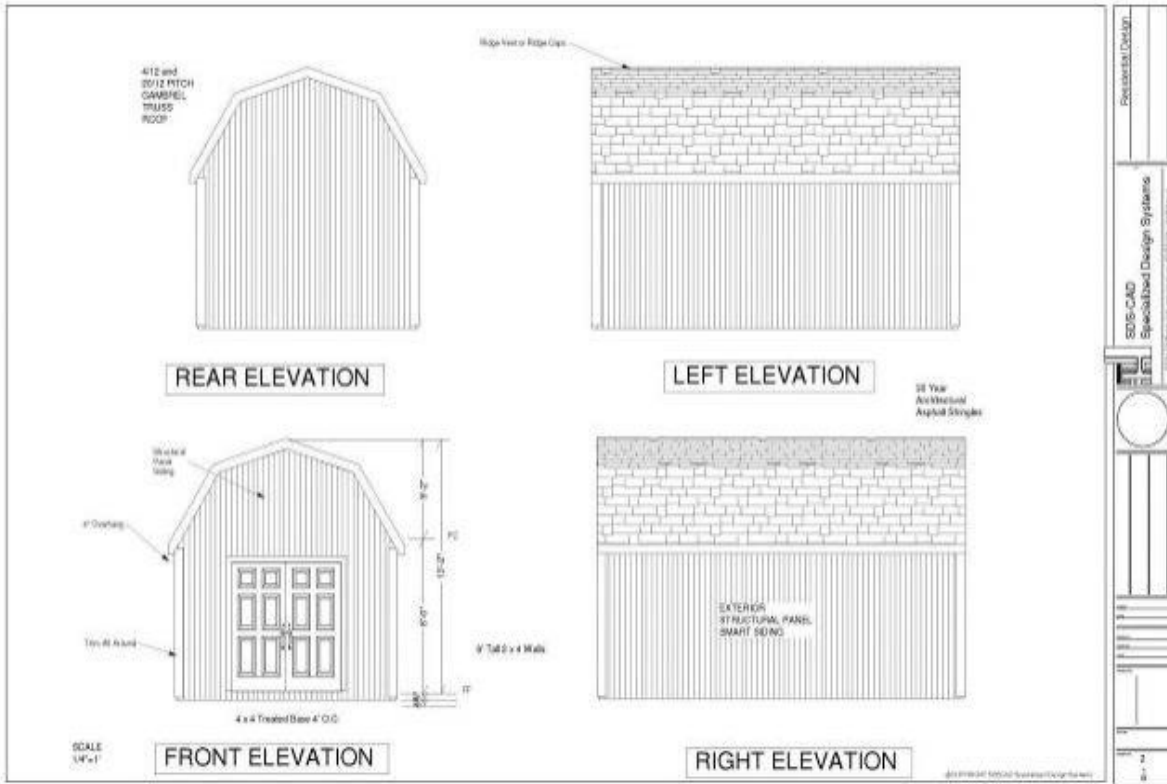
SCALE 1/8"=1'-0"

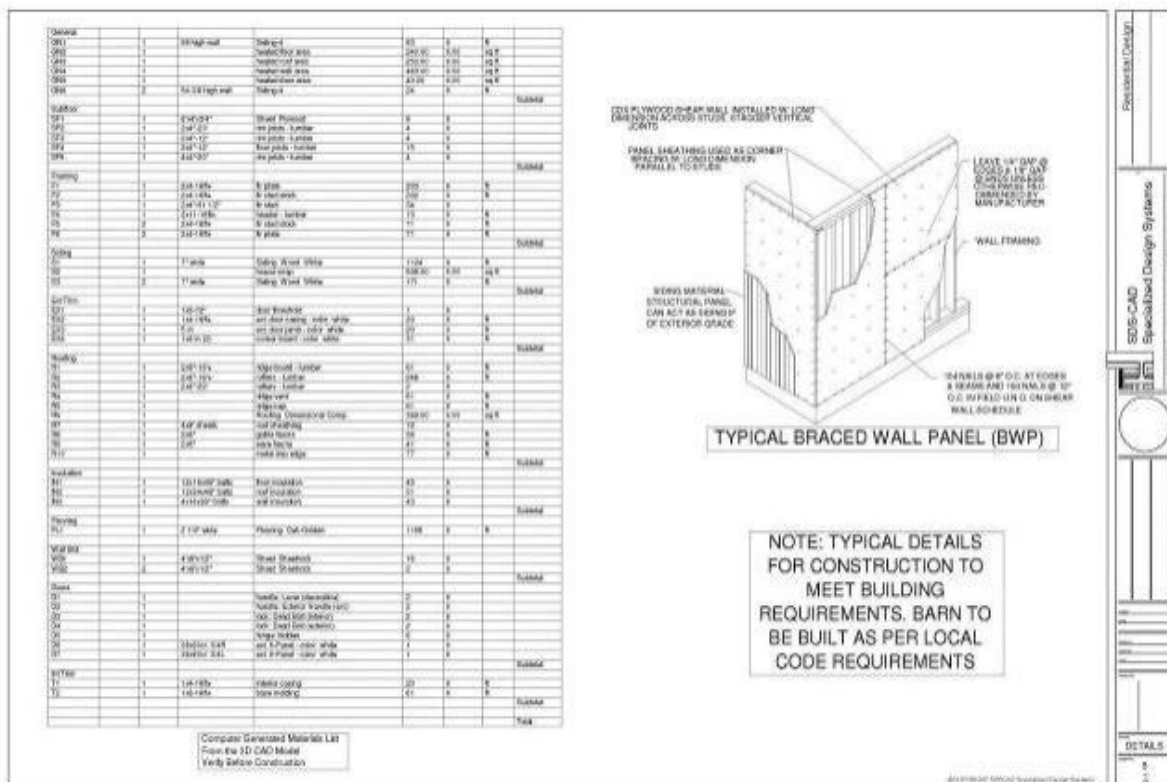
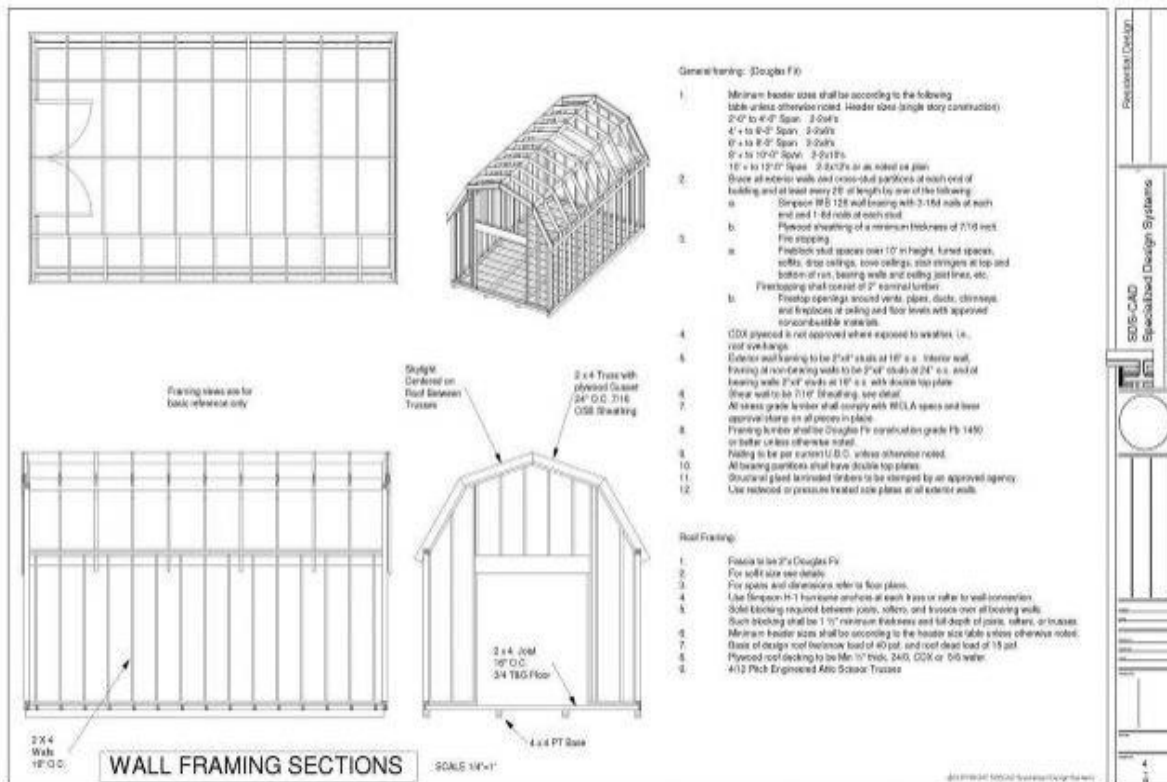
BARN MAIN FLOOR PLAN

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12 x 20 Gambrel Shed Plans  
1/8"=1'-0"

1  
2  
3  
4  
5







Portable

Chicken

Coop

Plans







**DISCLAIMER:**

These drawings are intended for use as a GUIDE ONLY!

Basic construction methods still apply! I.E. "Measure twice, cut once". Measure all dimensions, ensure edges are flush and uprights and supports are level as can be.

ALWAYS wear any safety equipment and follow proper safety methods to prevent injury! Working at heights CAN result in severe injury, including falls from small heights!

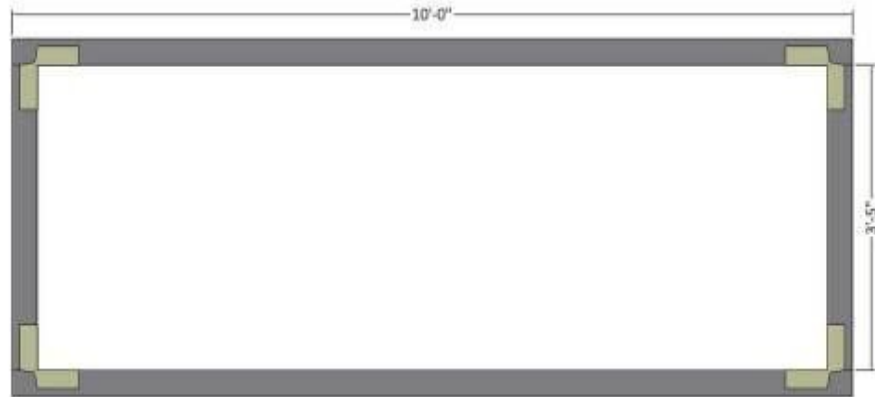
Feel free to use your own methodology! The methods in this plan set do not necessarily reflect your personal knowledge or skill level! You may opt to construct the structure shown using your own tools and methods!

We WILL NOT accept liability for any reason, build assumes ALL RISKS ASSOCIATED WITH CONSTRUCTION! Work safely, wear proper protection (including ear and eye protection) and if you feel at all uncomfortable with any aspect of construction, contact a professional!



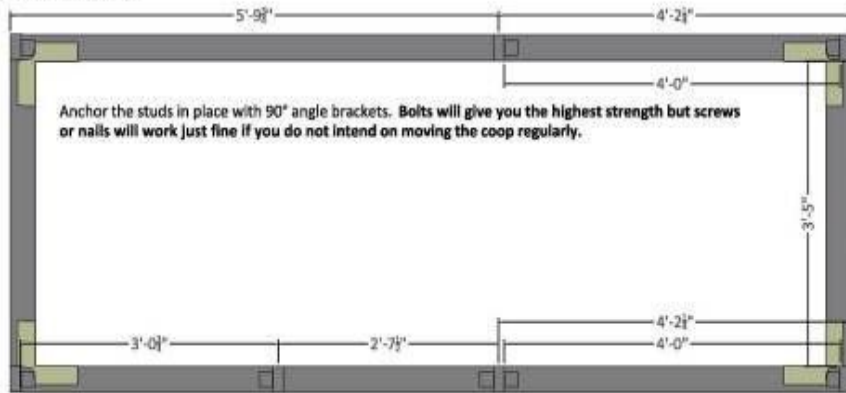


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Notes:

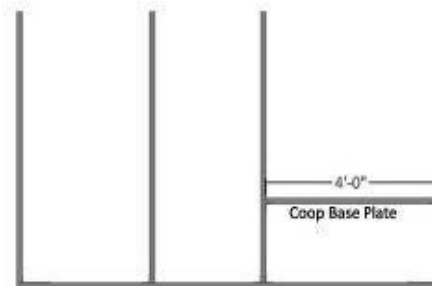
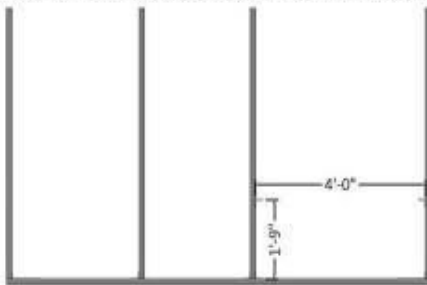


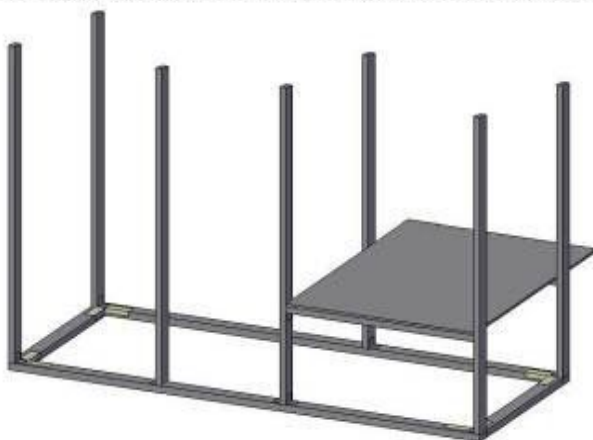


SDS-CAD



For the floor planks, use angle brackets as placed in the diagrams below. Place your coop base planks on and bolt or screw into place.



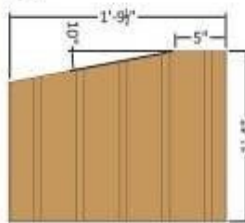
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## Notes

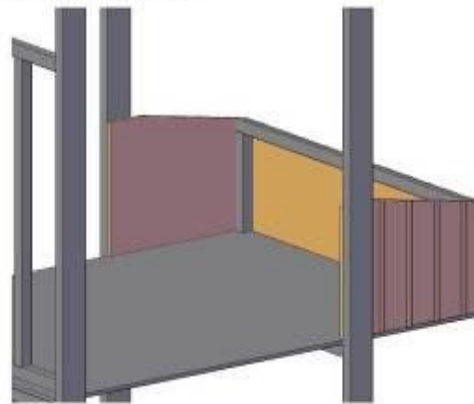








Cut the nesting box side sheathing as shown at left. The sheathing will attach to the inside of the coop uprights and on the outside do the nesting box rear frame. See the diagrams.



SDS-CAL



Figure 1 is a plan view of the test structure. It shows a rectangular frame with the following dimensions: a total width of 5'-7 7/8" and a total height of 4'-0". The frame is divided into three vertical sections with widths of 3'-0", 2'-6", and 4'-0" from left to right. The left section contains a vertical member, and the middle section contains a horizontal member. The right section is an empty rectangular area.



**SDS-CAL**



Now for the sheathing...Remember, cut your sheathing so it is inset between the uprights. Follow the diagram below. Keep the center piece of the main access for the door frame.



Notes:

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Now, before you sheath the last wall, you will want to do some quick framing. Start with a nailer at the bottom. The nailer should cross the open span from the nesting box walls, NOT the side walls.



Then you need to frame for the sheathing. The framing will be slightly offset from the base plank. You will use the base plank to attach hinges for the nesting box access so you want the plank offset to give you a nailing surface.



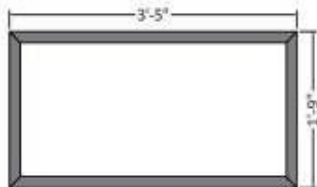
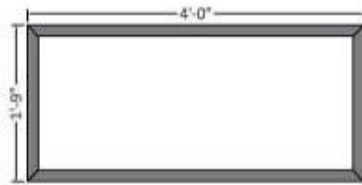
Enclose the coop. Make sure the sheathing is inset between the uprights.



## Notes



OK, now you need to start on the run. Frame in beneath the coop by making smaller frames that will fit beneath the coop. They are relatively simple compared to what you have already completed. Follow the diagrams below, measure carefully and you shouldn't have any problems.



Notes:

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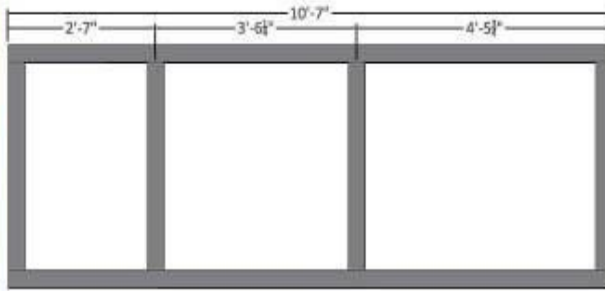
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You will want to construct a top plate to tie the top of the coop together. Measure the cross braces before installing in place.



Notes:

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A diagram of a rectangular table. The top horizontal edge is labeled with a dimension line and the text "4'-0\".



**SDS-CAD**



A diagram of a rectangular window. The width is labeled as 2' 2". The height is labeled as 5' 5". A diagonal brace is shown, labeled as 6' 5".



SDS-CAL



Complete the roof with the roofing of your choice. Make sure to seal the roofing so rain and snow can't intrude.



To finish off the coop, don't forget the chicken access panel to lock the coop up at night and the ramp to allow the chickens to get down! For the access panel, take some scrap 2x2 and rip out a dado slightly bigger ( $\frac{1}{8}$ " -  $\frac{1}{4}$ ") than the panel material. Anchor the slides to the access wall (with the panel in place).



For the chickens to get into the coop, you need to build a very simple ramp. Simply take a scrap plank and attach 12" 2x2 "steps" for the chickens to climb.



Notes:

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12' x 20' x 8' Gambrel Chicken Coop Shed

## Videos on how to build this portable chicken coop



Video 1 How to build the portable chicken coop

<http://www.screencast.com/t/B82PphpuOu2X>

Video 2 How to build the portable chicken coop

<http://www.screencast.com/t/bscO8IJ0M>

Video 3 How to build the portable chicken coop

<http://www.screencast.com/t/cEyovgMB5i>









## **Links to Download PDF Version of High Resolution Plans For Printing**

Pole Barn 12 x 16 Coop High Resolution Plans



<http://www.sdsplans.com/wp-content/uploads/2013/02/G482-12-X-16-X-8-pole-shed-plan.pdf>

Framed 12 x 16 Coop High Resolution Plans

<http://www.sdsplans.com/wp-content/uploads/2013/02/G481-12-X-16-X-8-shed-plan.pdf>



### **10 x 14 Chicken Coop Garden Shed Playhouse**

12 X 12 Coop High Resolution Plans



Bonus Plans g484 12' x 20' Gambrel Barn - Shed 12 x 20 x 10

<http://www.sdsplans.com/wp-content/uploads/2013/02/G484-12-x-20-x-8-Gambrel.pdf>



**Playhouse Shed plans**  
[WatchVideo](#)



Portable Chicken Coop High Resolution Plans  
<http://build-chicken-coop.com/pdf/mobilecoop.pdf>



**Portable chicken coop**



**Portable chicken coop 2**



## **How to Print Plans**

### **Step 1**

Download or Email the plans to yourself or send them to a Google drive or Dropbox if you have one available.

You may also want to email the plans to a local print store that has the ability to print the plans at 100% scale on 11 x 17 paper.

### **Step 2**

Open the plan file in your email.

### **Step 3**

Send the plans to the printer. If you print the plans to fit on a 8 1/2 x 11 paper printer they will be readable but not to scale.

If you have an 11 x 17 printer you can print the plans to scale at 100%. If not email them to a print store that has those capabilities, if you need full scale plans for building.

## Purchase Plans On DVD



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<http://www.amazon.com/gp/aag/main?ie=UTF8&asin=&isAmazonFulfilled=&isCBA=&marketplaceID=ATVPDKIKX0DER&orderID=&seller=A894XJP3BU3WD>

Plan Copyright Information

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3. You may modify the plans that you have purchased to meet your local needs.
4. You may charge your clients a service fee for using the plans in your business only if you are building the structure for them or working at making changes to the plans for them.
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**24' x 24'**  
**Garage Plans**  
Construction Blueprints



**By John Davidson**

**Building A  
Garden Shed**

Step By Step  
Instructions And Plans



**By John Davidson**

**Building A  
Playhouse**

Step By Step  
Instructions And Plans



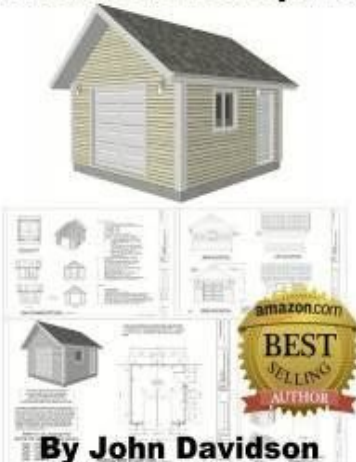
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**Gambrel Barn  
And Shed Plans**  
Construction Blueprints



**By John Davidson**

**16' x 16'**  
**Garage Plans**  
Construction Blueprints



**By John Davidson**

**How To Build A  
Portable  
Chicken Coop**



**Plans  
and Videos**

**By John Davidson**

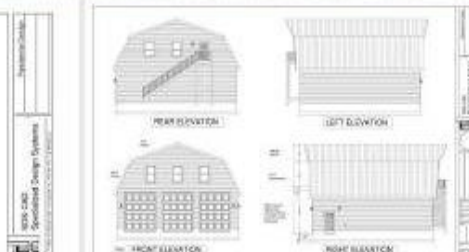
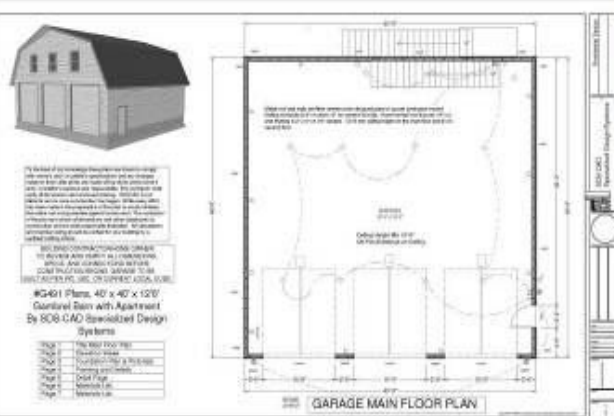
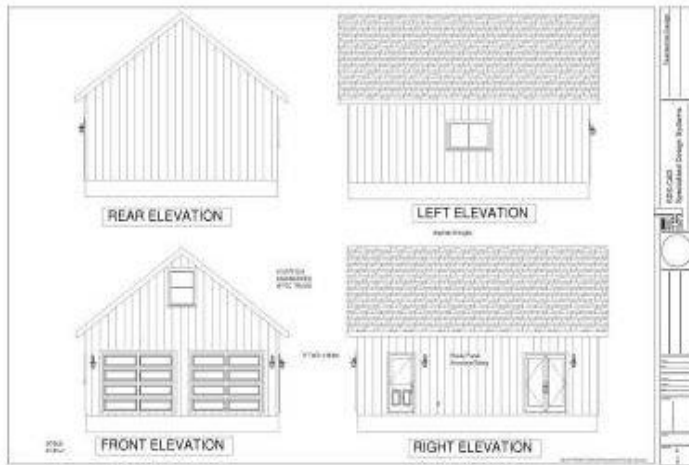
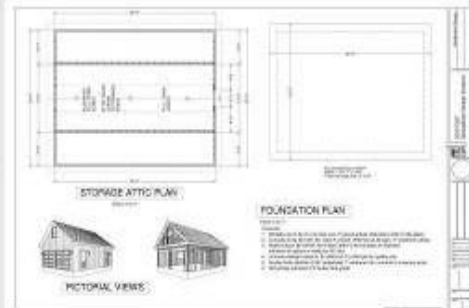
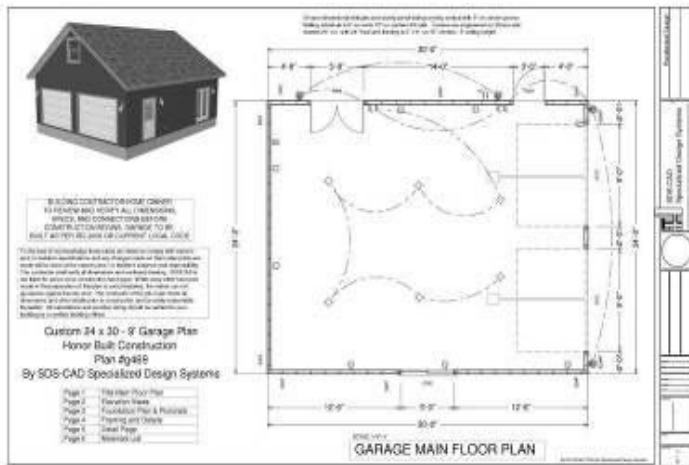
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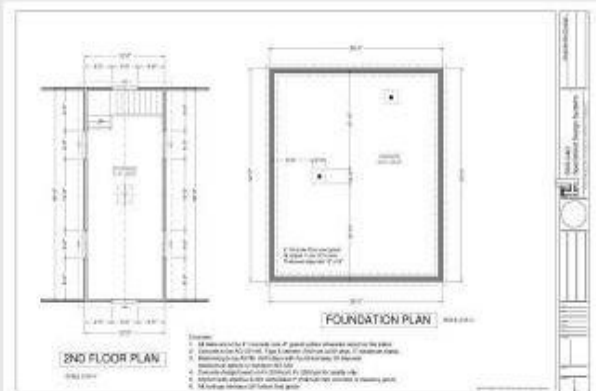
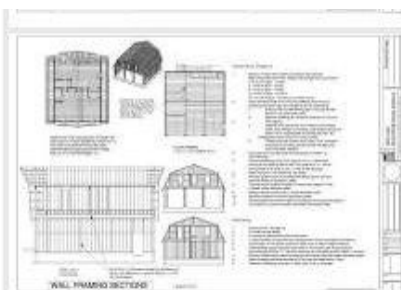
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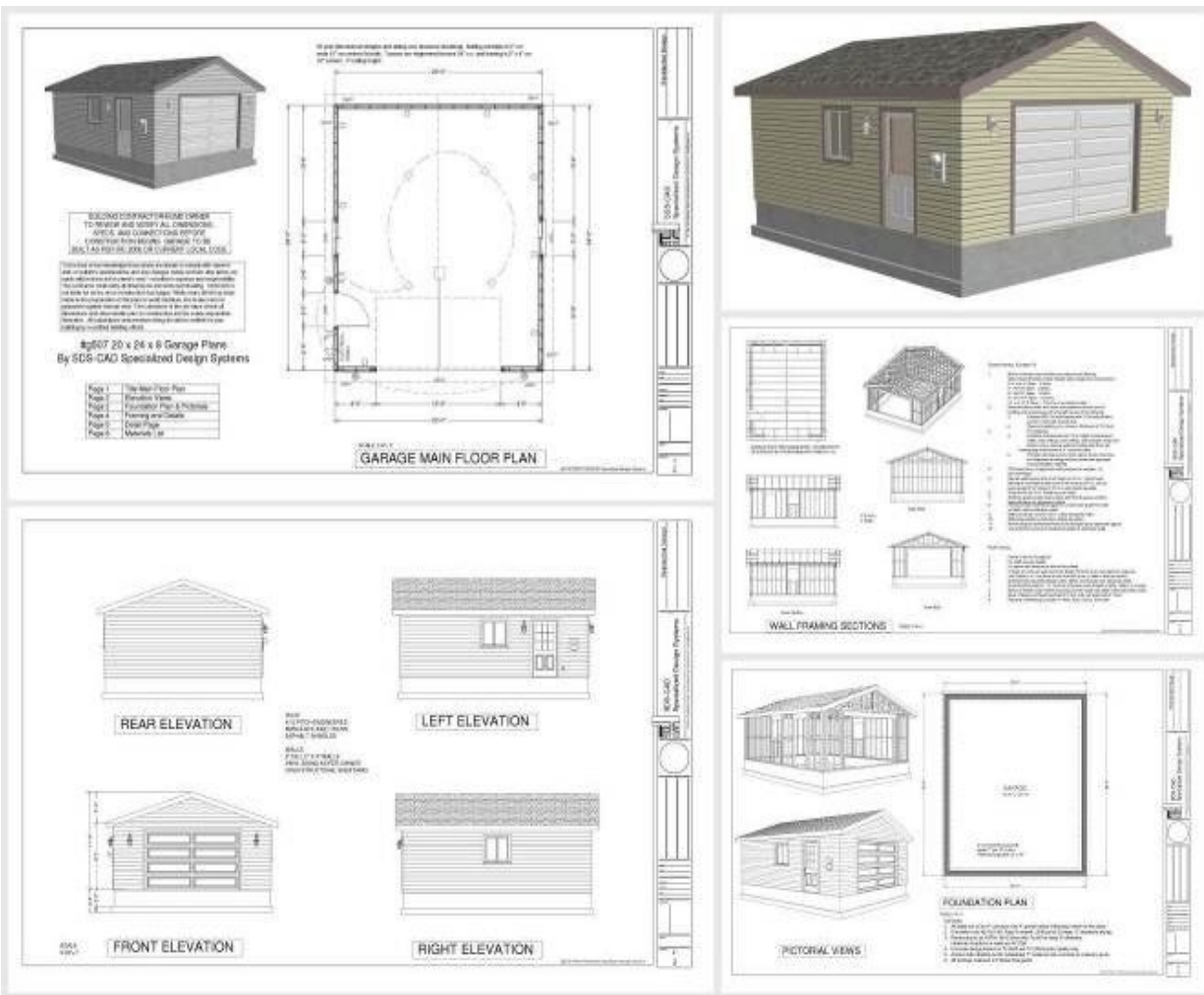


More plans available at <http://sdsplans.com>

Check out the following plans that are available at our website





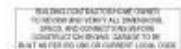






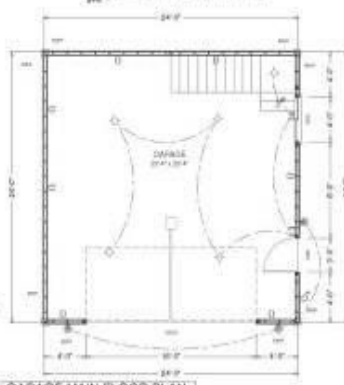




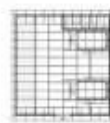


#G527 24 x 24 - 2 Garage Plan with Loft and Dormers  
By SDS-CAD Specialized Design Systems

|      |                                |
|------|--------------------------------|
| Page | The Best Price Guarantee       |
| Page | Executive Summary              |
| Page | Introduction: Why & How to Use |
| Page | Planning and Control           |
| Page | Cost Page                      |
| Page | Conclusion                     |



GARAGE MAIN FLOOR PLAN



WALL FRAMING SECTION:

Investment: 100,000

1. *Abstracts of papers presented at the 1998 Annual Meeting of the American Society of Human Genetics, 1998, Denver, Colorado, October 1-5.*  
 2. *Abstracts of papers presented at the 1998 Annual Meeting of the American Society of Human Genetics, 1998, Denver, Colorado, October 1-5.*  
 3. *Abstracts of papers presented at the 1998 Annual Meeting of the American Society of Human Genetics, 1998, Denver, Colorado, October 1-5.*  
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 7. *Abstracts of papers presented at the 1998 Annual Meeting of the American Society of Human Genetics, 1998, Denver, Colorado, October 1-5.*  
 8. *Abstracts of papers presented at the 1998 Annual Meeting of the American Society of Human Genetics, 1998, Denver, Colorado, October 1-5.*  
 9. *Abstracts of papers presented at the 1998 Annual Meeting of the American Society of Human Genetics, 1998, Denver, Colorado, October 1-5.*  
 10. *Abstracts of papers presented at the 1998 Annual Meeting of the American Society of Human Genetics, 1998, Denver, Colorado, October 1-5.*

**Key Words:** *depression, mood, mood disorder, mood disorder, mood disorder, mood disorder*

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### REAR ELEVATION

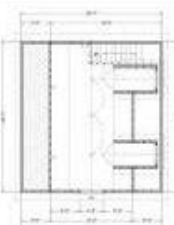
LEFT ELEVATION



FRONT ELEVATION



RIGHT ELEVATION



ATTIC STORAGE PLAN



FOUNDATION PLAN



1. An application of research in your field affects real activities.
2. You are an excellent Type I student. Information that is relevant to the
3. Developing your skills in a research setting is important.
4. Research is a very important part of your education.
5. You are an excellent Type I student. Information that is relevant to the
6. Developing your skills in a research setting is important.



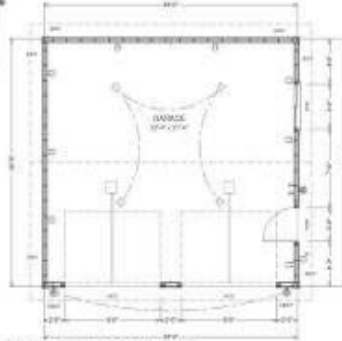
It is the owner's responsibility to verify the accuracy of all dimensions and materials. It is the owner's responsibility to verify the accuracy of all dimensions and materials. It is the owner's responsibility to verify the accuracy of all dimensions and materials.

**BUILDING CONTRACTOR'S NOTE:**  
TO REVIEW AND VERIFY ALL DIMENSIONS, MATERIALS AND CONSTRUCTION BEFORE CONSTRUCTION BEGINS. GARAGE TO BE BUILT AS SHOWN ON THIS CONSTRUCTION DRAWING.

The owner is responsible for obtaining all necessary permits and approvals from the local building department. The owner is responsible for obtaining all necessary permits and approvals from the local building department. The owner is responsible for obtaining all necessary permits and approvals from the local building department.

**#0226 24 x 22 - 0' Garage Plan**  
By SCS-CAD Specialized Design Systems

Page 1 - Main Floor Plan  
Page 2 - Foundation Plan  
Page 3 - Elevation Plans  
Page 4 - Section Plans  
Page 5 - Details  
Page 6 - Materials List



**GARAGE MAIN FLOOR PLAN**

Scale: 1/4" = 1'-0"

SCS-CAD Specialized Design Systems  
10000 1st Avenue, Suite 100  
San Diego, CA 92121  
Phone: (619) 444-1000  
Fax: (619) 444-1001  
Email: info@scs-cad.com  
Website: www.scs-cad.com



**PICTORIALS**



**FOUNDATION PLAN**

Notes:  
1. Foundation to be poured concrete on compacted fill.  
2. Foundation to be poured concrete on compacted fill.  
3. Foundation to be poured concrete on compacted fill.  
4. Foundation to be poured concrete on compacted fill.  
5. Foundation to be poured concrete on compacted fill.

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Website: www.scs-cad.com



Notes:  
1. Foundation to be poured concrete on compacted fill.  
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5. Foundation to be poured concrete on compacted fill.



Notes:  
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2. Foundation to be poured concrete on compacted fill.  
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4. Foundation to be poured concrete on compacted fill.  
5. Foundation to be poured concrete on compacted fill.

**WALL FRAMING SECTIONS**

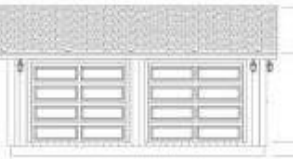
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**REAR ELEVATION**



**LEFT ELEVATION**



**FRONT ELEVATION**



**RIGHT ELEVATION**

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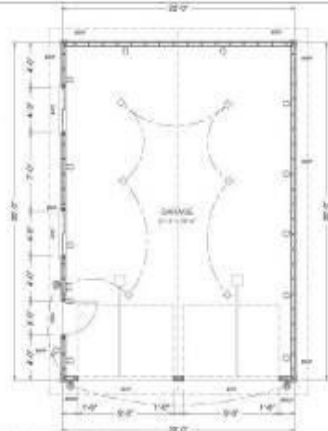


THIS GARAGE IS DESIGNED TO BE BUILT ON A CONCRETE FOUNDATION. THE FOUNDATION SHALL BE BUILT TO THE FOLLOWING DIMENSIONS:

THESE DIMENSIONS ARE BASED ON THE ASSUMPTION THAT THE GARAGE WILL BE BUILT ON A CONCRETE FOUNDATION. THE FOUNDATION SHALL BE BUILT TO THE FOLLOWING DIMENSIONS:

#0259 22 x 30 - 8' Garage Plan  
By SDS-CAD Specialized Design Systems

- Page 1: Title Sheet
- Page 2: Foundation Plan
- Page 3: Front Elevation
- Page 4: Right Elevation
- Page 5: Left Elevation
- Page 6: Rear Elevation
- Page 7: Section
- Page 8: Details
- Page 9: Material List



GARAGE MAIN FLOOR PLAN



WALL FRAMING SECTIONS



REAR ELEVATION



LEFT ELEVATION



FRONT ELEVATION



RIGHT ELEVATION



PICTORIALS



FOUNDATION PLAN

- 1. Foundation walls shall be 12" thick concrete.
- 2. Foundation walls shall be 4" thick concrete.
- 3. Foundation walls shall be 6" thick concrete.
- 4. Foundation walls shall be 8" thick concrete.
- 5. Foundation walls shall be 10" thick concrete.
- 6. Foundation walls shall be 12" thick concrete.
- 7. Foundation walls shall be 14" thick concrete.
- 8. Foundation walls shall be 16" thick concrete.
- 9. Foundation walls shall be 18" thick concrete.
- 10. Foundation walls shall be 20" thick concrete.



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